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1977

Public Health Statistics

Table 31a
DEATHS BY UNDERLYING CAUSE, BY NON-UNDERLYING CAUSES
Wisconsin, Five Years 1973-1977

Table 31a
DEATHS BY UNDERLYING CAUSE, BY NON-UNDERLYING CAUSES
Wisconsin, Five Years 1973-1977
(Resident Deaths Only)

Table 31a
DEATHS BY UNDERLYING CAUSE, BY NON-UNDERLYING CAUSES
Wisconsin, Five Years 1973-1977
(Resident Deaths Only)

ICD-8 cause-classification of underlying cause		Deaths with given underlying cause	Other non-underlying causes listed with given underlying cause								
ICD-8 codes	No.		Name of category	Total	ALL CAUSES	INFECT & PARASITIC	MALIGNANT NEOPLASMS	DISTIN. & NS NEOPLASMS	ENDOCR., NUTRI & METAB.	BLOOD & BLOOD-FORMING	MENTAL, INC. ALCOHOLIC
6,908	25,757										
91	526										
620	3,121										
29	123										
250	3,827										
19	289										
2	236										
2	263										
4,638											
(1,638)											
(2,072)											
(1,270)											
(1,030)											
(1,011)											
604	5,738										
130	2,150										
115	1,206										
2	74										
42	527										
76	389										
8	24										
280	1,742										
400-439		1	INFECT & PARASITIC	1,250	1,287	-	122	5	123	57	65
140-209		2	MALIGNANT NEOPLASMS	38,798	32,413	1,029	-	50	3,809	1,357	366
210-239		3	BENIGN NEOPLASMS	309	453	6	-	-	23	107	6
240-279		4	ENDOCR., NUTRI & METAB.	1,907	8,280	163	112	24	60	12	248
280-289		5	BLOOD & BLOOD-FORMING	521	930	67	14	5	128	18	150
290-315		6	MENTAL, INC. ALCOHOLIC	386	1,426	26	13	3	148	21	150
320-389		7	NERVOUS & SENSE ORGANS	1,860	2,632	72	11	-	10,286	1,225	3,852
390-438		8	CIRCULATORY SYSTEM	112,484	75,550	1,120	1,137	246	10,286	1,225	3,852
			(Subtotal, 50-80)	(112,484)	(75,550)	(1,120)	(1,137)	(246)	(10,286)	(1,225)	(3,852)
			(Ischemic heart dis)	(72,353)	(44,004)	(530)	(2,592)	(134)	(6,767)	(792)	(2,006)
			(All other heart dis)	(8,806)	(6,145)	(110)	(305)	(19)	(474)	(94)	(181)
			(Cerebrovascular dis)	(21,247)	(15,850)	(206)	(722)	(50)	(12,209)	(1,781)	(1,060)
			(Hypertension, etc.)	(19,585)	(9,551)	(274)	(518)	(45)	(836)	(161)	(500)
440-444		(80)	(Subtotal, 80-84)	(112,484)	(75,550)	(1,120)	(1,137)	(246)	(10,286)	(1,225)	(3,852)
440-444		(80)	(Ischemic heart dis)	(72,353)	(44,004)	(530)	(2,592)	(134)	(6,767)	(792)	(2,006)
440-444		(80)	(All other heart dis)	(8,806)	(6,145)	(110)	(305)	(19)	(474)	(94)	(181)
440-444		(80)	(Cerebrovascular dis)	(21,247)	(15,850)	(206)	(722)	(50)	(12,209)	(1,781)	(1,060)
440-444		(80)	(Hypertension, etc.)	(19,585)	(9,551)	(274)	(518)	(45)	(836)	(161)	(500)
450-519		9	RESPIRATORY SYSTEM	11,263	15,089	410	771	47	729	202	764
520-577		10	EXCRETORY SYSTEM	6,710	9,630	592	348	22	580	205	763
580-629		11	GENITOURINARY SYSTEM	2,438	1,615	462	132	10	281	96	184
630-679		12	SKIN & SUBCUTAN. TIS.	27	34	1	1	0	3	1	0
680-709		13	NERVOUS & SENSE ORGANS	164	1,245	47	25	2	44	14	12
710-739		14	RESPIRATORY SYSTEM	658	1,821	30	10	4	9	8	24
740-759		15	EXCRETORY SYSTEM	1,410	1,428	37	0	0	0	0	0
760-779		16	GENITOURINARY SYSTEM	2,132	1,492	19	0	0	0	0	0
780-799		17	SKIN & SUBCUTAN. TIS.	13,058	6,238	218	110	11	184	16	968
800-899		18	ALL CAUSES	13,058	6,238	218	110	11	184	16	968

(continued from total numbers & make them conform to the totals within the given group. There is a total of 13,058 deaths in the given group. The number of deaths in the given group is 13,058 and 13,058.)

1/1, 2/1, 3/1, 4/1, 5/1, 6/1, 7/1, 8/1, 9/1, 10/1, 11/1, 12/1, 13/1, 14/1, 15/1, 16/1, 17/1, 18/1, 19/1, 20/1, 21/1, 22/1, 23/1, 24/1, 25/1, 26/1, 27/1, 28/1, 29/1, 30/1, 31/1, 32/1, 33/1, 34/1, 35/1, 36/1, 37/1, 38/1, 39/1, 40/1, 41/1, 42/1, 43/1, 44/1, 45/1, 46/1, 47/1, 48/1, 49/1, 50/1, 51/1, 52/1, 53/1, 54/1, 55/1, 56/1, 57/1, 58/1, 59/1, 60/1, 61/1, 62/1, 63/1, 64/1, 65/1, 66/1, 67/1, 68/1, 69/1, 70/1, 71/1, 72/1, 73/1, 74/1, 75/1, 76/1, 77/1, 78/1, 79/1, 80/1, 81/1, 82/1, 83/1, 84/1, 85/1, 86/1, 87/1, 88/1, 89/1, 90/1, 91/1, 92/1, 93/1, 94/1, 95/1, 96/1, 97/1, 98/1, 99/1, 100/1, 101/1, 102/1, 103/1, 104/1, 105/1, 106/1, 107/1, 108/1, 109/1, 110/1, 111/1, 112/1, 113/1, 114/1, 115/1, 116/1, 117/1, 118/1, 119/1, 120/1, 121/1, 122/1, 123/1, 124/1, 125/1, 126/1, 127/1, 128/1, 129/1, 130/1, 131/1, 132/1, 133/1, 134/1, 135/1, 136/1, 137/1, 138/1, 139/1, 140/1, 141/1, 142/1, 143/1, 144/1, 145/1, 146/1, 147/1, 148/1, 149/1, 150/1, 151/1, 152/1, 153/1, 154/1, 155/1, 156/1, 157/1, 158/1, 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THE VITAL STATISTICS REGISTRATION SYSTEM IN WISCONSIN

RECORD	PERSONS RESPONSIBLE FOR COMPLETING RECORDS	PERSONS RESPONSIBLE FOR FILING RECORD WITH LOCAL REGISTRAR	LOCAL REGISTRARS- TRANSMIT RECORDS TO STATE
Birth Certificate	Attending physician, midwife, or other medical professional. When none of these in attendance, then a parent, householder or owner of premises, manager or superintendant of a public or private institution in which birth occurred.	Attending physician or other person who prepared the record.	Register of Deeds of each county is primary registration office for villages and towns. Primary registration office for cities is the Health Officer who is authorized to appoint the county register of deeds as deputy for filing all certificates.
Report of Fetal Death	Funeral Director or any person designated by one of the parents to assume responsibility for disposition of the remains.	Funeral Director or person designated by one of the parents.	Same as above.
Death Certificate	Funeral Director for completion of personal and statistical information. Physician, Coroner or Medical Examiner for causes of death, interval between onset and death, day and hour of death, certification.	Funeral Director prior to any disposition of the body and for obtaining a burial permit.	Same as above.
	When no funeral director is employed, then the person who prepares the body for burial and conducts the funeral of any member of the immediate family.	Person designated to perform the burial and conduct the funeral.	Same as above.
Marriage Certificate	Persons applying for marriage license and the county clerk who issues the license.	Minister, priest, judge, family court commissioner, court commissioner or the 2 parties themselves, after completion of the certification and signing by 2 competent adult witnesses.	Same as above.
Certificate of Divorce	Attorney for the petitioner, family court commissioner and clerk of court.	Not filed locally. (Some clerks of court retain a photo copy for file but this is not required by statute).	Clerk of Court.

Public Health Statistics 1977

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INTRODUCTION

The Bureau of Health Statistics of the State Division of Health is charged by law with the dual responsibility of maintaining an effective system of vital registration and of making vital statistics available to public and private agencies and to the public at large. Within the Division of Health these statistics are necessary for evaluating and developing programs that will improve the health of the people of Wisconsin. The data are also widely used for estimating population characteristics and changes.

Each county is a primary registration district for vital events for the rural areas, villages and towns. The Register of Deeds' office is, according to the Statutes, the place for filing of birth, death and marriage records from these areas. In addition, cities, as defined by Wisconsin Statutes, may also serve as primary registration districts with the local health officer serving as the local registrar. Cities have the option of turning the function over to the county register of deeds. Copies of the original records are maintained in the local offices and the original record is forwarded to the State Section of Vital Statistics.

Legal responsibility for preparation and filing birth records is that of the attending physician or other person in attendance. Because nearly all births occur in hospitals, most of the information obtained on the birth certificate is recorded by hospital personnel.

The funeral director has legal responsibility for obtaining information on death certificates and for filing the records with the local registrar. The funeral director also completes fetal death reports. The physician in attendance, coroner or medical examiner is responsible for certifying the cause of death and medical information on the certificate.

Applications for a marriage licenses are made in the office of the county clerk. The marriage certificate is completed by the officiant - civil or religious - who has the responsibility of forwarding the original certificate to the local registrar.

Locally the divorce certificate is the responsibility of the clerk of court where the divorce decree is granted. The county clerk of court retains the records of the court, has the necessary information transcribed to the divorce certificate and forwards it to the Section of Vital Statistics.

The Section of Vital Statistics maintains a permanent repository for original records of birth, death, marriage and transcripts of divorce. The statistics in this volume include vital records for the year 1977 that were filed in the Section of Vital Statistics before March 31, 1978. In addition to vital events occurring in Wisconsin, the Section files transcripts of birth certificates for children born outside of Wisconsin to a mother who is a resident of the state. Death certificates for persons who are residents but die outside of the boundaries of Wisconsin are also included.

Wisconsin began using Automated Classification of Medical Entities (ACME) in 1972. Multiple cause mortality statistics have considerable potential for research and health program evaluation. The computerized system permits extensive cross tabulation by both underlying cause and specific associated causes (see Table 31A, pages 80-81).

TECHNICAL NOTES

Definitions

Residence	Usual place of residence of person to whom event occurred. For births and fetal deaths, residence is defined as the mother's place of residence.
Occurrence	Place where the event occurred.
Minor Civil Division	In Wisconsin, Minor Civil Divisions are the local level of civil government. Cities, villages and towns both exhaust the area (there are no unorganized residual areas) and are exclusive (none overlaps another though may surround another).
Race	Race for mother, father, or decedent is as stated on certificate. Race of child is determined from the race of the parents.
Deliveries	Live births plus reported fetal deaths
Live Birth	A live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Fetal Death	Death prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only fetal deaths of at least 20 weeks of gestation must be reported in Wisconsin. A fetal death report is <u>NOT</u> to be used for induced abortions.
Infant Death	Death occurring to live born individual of less than 1 year of age.
Neonatal Death	Live born infant who dies before completing four weeks (28 days) of life.
Out-of-Wedlock Birth	Birth wherein there is no marital tie between mother and father.
Birthweight	Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces or in grams).
Premature Births	Products of conception weighing less than five pounds, nine ounces (2,500 grams or less) at delivery or expulsion.
Maternal Deaths	Those wherein the physician has designated a maternal condition as the underlying cause of death.
Underlying Cause of Death	That condition giving rise to the chain of morbid events leading to death, or the circumstances of the accident or violence that produced the fatal injury.
Associated Cause of Death	Condition other than the underlying cause of death which may have contributed to the death.

Rates

Birth Rate	= $\frac{\text{No. of Resident Live Births}}{\text{Total Resident Population}}$	x 1,000
Age-Specific Fertility Rate	= $\frac{\text{No. of Resident Live Births for a Specific Age of Mother}}{\text{Total Female Population of Specific Age}}$	x 1,000
Death Rate	= $\frac{\text{No. of Resident Deaths}}{\text{Total Resident Population}}$	x 1,000
Fetal Death Rate	= $\frac{\text{No. of Resident Fetal Deaths}}{\text{Total Resident Live Births and Resident Fetal Deaths}}$	x 1,000
Infant Death Rate	= $\frac{\text{No. of Infant Deaths}}{\text{Total Resident Live Births}}$	x 1,000
Neonatal Death Rate	= $\frac{\text{No. of Neonatal Deaths}}{\text{Total Resident Live Births}}$	x 1,000
Out-of-Wedlock Ratio	= $\frac{\text{No. of Out-of-Wedlock Births (Resident)}}{\text{Total Resident Live Births}}$	x 1,000
Maternal Death Rate	= $\frac{\text{No. of Maternal Deaths}}{\text{Total Resident Live Births and Fetal Deaths}}$	x 100,000
Age-Specific Death Rate	= $\frac{\text{No. of Deaths in Specific Age Group}}{\text{Total Resident Population in Specific Age Group}}$	x 100,000
Cause-Specific Death Rate	= $\frac{\text{No. of Deaths from Specific Cause}}{\text{Total Resident Population}}$	x 100,000
Communicable Disease Case Rate	= $\frac{\text{No. of Reported Cases (Specific Communicable Disease)}}{\text{Total Resident Population}}$	x 100,000
Marriage Rate	= $\frac{\text{No. of Marriages Performed}}{\text{Total Resident Population}}$	x 1,000
Divorce Rate	= $\frac{\text{No. of Divorces and Annulments Granted}}{\text{Total Resident Population}}$	x 1,000
Population Denominators	= Mid-calendar year estimates	
Event Denominators	= Are registered totals for the calendar year	

BIRTH AND DEATH CERTIFICATES

Type or Print in
Permanent Black
InkFORM NO. VS-1
2004-REV.-1-00STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH

STATE FILING DATE

STATE BIRTH NO.

ORIGINAL CERTIFICATE OF LIVE BIRTH

148-

For Instructions Refer to the Hospital Handbook

Reserved For Coding

Hospital

Residence

Weight/Single or Multiple Birth

Multiple Births (Enter Numbers For Births)

Live Birth (S)

Fetal Death (S)

Death Under One Year of Age

Enter Number of Death Certificate For This Child

LOCAL FILE NUMBER

CHILD-NAME First Middle Last

SEX ☐ Male ☐ Female THIS BIRTH, Single, Twin, Triplet, Etc. (Specify) IF NOT SINGLE BIRTH Born First, Second, Etc. (Specify)

DATE OF BIRTH Month Day Year HOUR

COUNTY OF BIRTH

NAME OF CITY OR VILLAGE (If Neither, Home Township) Inside City or Village Limits ☐ Yes ☐ No HOSPITAL-NAME (If Not in Hospital, Give Street and Number or Location)

MOTHER-MAIDEN NAME First Middle Last AGE STATE OF BIRTH (If Not in U.S.A., Name of Country)

RESIDENCE-STATE COUNTY NAME OF CITY, VILLAGE (If Neither, Home Township) Inside City or Village Limits ☐ Yes ☐ No MAILING ADDRESS

FATHER-NAME First Middle Last AGE STATE OF BIRTH (If Not in U.S.A., Name of Country)

INFORMANT-SIGNATURE

DATE RECEIVED BY REGISTRAR Month Day Year

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

RACE Specify White, Negro, American Indian, Etc. EDUCATION Elementary and High School (Specify) PREVIOUS DELIVERIES How Many Other Children

Specify White, Negro, American Indian, Etc. EDUCATION Elementary and High School (Specify) PREVIOUS DELIVERIES How Many Other Children

LENGTH OF PREGNANCY COMPLETED MONTHS OF PREGNANCY WHEN BIRTH BEGAN (First, Second, Third, Etc.) TOTAL NUMBER OF PRENATAL VISITS LEGITIMATE BIRTH WEIGHT

18. Weeks 19c. If None, So State 19b. If None, So State 20. ☐ Yes ☐ No 21. Lbs. Oz.

22. Describe or Write "None" 23. Describe or Write "None"

24. Describe or Write "None" 25. IF PREMATURE, STATE CAUSE

26. WAS PROPHYLACTIC USED IN EYES? ☐ Yes ☐ No (Specify) 27. TYPE OF DELIVERY (Not Including Episiotomy) ☐ Spontaneous ☐ 5 Caesarian, Low Cervical ☐ 6 Caesarian, Classical ☐ 7 Caesarian, Other ☐ 8 Other Type of Delivery

28. WAS PEV TEST PERFORMED? ☐ Yes ☐ No 29b. ☐ Hospital ☐ Physician's Office (Specify) 30. 4 Other Surgical or Instrumental

Type or Print in
Permanent Black
InkFORM NO. VS-12
1004-REV.-1-00STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH

STATE FILING DATE

STATE DEATH NO.

ORIGINAL CERTIFICATE OF DEATH

For Instructions Refer to the Physician's, Funeral Director's, and Medical Examiner's/Coroner's Handbook

Usual Residence Where Decedent Lived If Death Occurred in Institution, Give Residence Before Admission

LOCAL FILE NUMBER

DECEASED-NAME First Middle Last

SEX

DATE OF DEATH Month Day Year

RACE-White, Negro, American Indian, Etc. Age Last Birthday Under One Year Under One Year Under One Year DATE OF BIRTH Month Day Year COUNTY OF DEATH

NAME OF CITY, VILLAGE (If Neither, Home Township) Inside City or Village Limits ☐ Yes ☐ No HOSPITAL OR OTHER INSTITUTION-NAME (If Not in Either Give Street and Number or Location)

STATE OF BIRTH (If Not in U.S.A., Name of Country) CITIZEN OF What Country ☐ Married ☐ Never Married SURVIVING SPOUSE (If Wife, Give Maiden Name)

SOCIAL SECURITY NO. USUAL OCCUPATION Give Kind of Work During Most of Working Life KIND OF BUSINESS OR INDUSTRY

RESIDENCE-STATE COUNTY NAME OF CITY, VILLAGE (If Neither, Home Township) Inside City or Village Limits ☐ Yes ☐ No MAILING ADDRESS (Home Address or Time of Death)

FATHER-NAME First Middle Last MOTHER-MAIDEN NAME First Middle Last

INFORMANT-NAME MAILING ADDRESS Street or R.F.D. No. City or Village State Zip

18. PART I DEATH WAS CAUSED BY - Enter Only One Cause Per Line For (A), (B), and (C) 17b. WAS DECEASED EVER IN U.S. ARMED FORCES? (If Yes, Give War or Dates of Service) 17c. ☐ Yes ☐ No ☐ Unknown

19. PART II OTHER SIGNIFICANT CONDITIONS Conditions Contributing to Death but Not Listed in Part I (A) AUTOPSY (Specify) 19a. ☐ Yes ☐ No 19b. ☐ Yes ☐ No 19c. ☐ Yes ☐ No

20. ACCIDENT DATE OF INJURY Month Day Year HOUR MINUTE INJURY OCCURRED (Enter Nature of Injury in Part I or Part II, Item 18) 20a. ☐ ACCIDENT ☐ SUICIDE ☐ HOMICIDE 20b. PLACE OF INJURY (Home, Farm, Street, Factory, Etc.) LOCATION Street or R.F.D. No. City or Village State Zip

CERTIFICATION-Month Day Year Month Day Year AND LAST SAW HIM HER ALIVE ON Month Day Year DID YOU VIEW THE BODY AFTER DEATH (Hour) DEATH OCCURRED At the Place, on the Day, and, To the Best of Your Knowledge, Due To The Cause(s) Stated.

CERTIFICATION-MEDICAL EXAMINER OR PHYSICIAN (On the Basis of the Examination of The Body and/or The Investigation of Medical Opinion, Death Occurred on The Date and Due To The Cause(s) Stated) HOUR OF DEATH THE DECEDENT WAS PRONOUNCED DEAD Month Day Year Hour

CERTIFIER-NAME (Type or Print) SIGNATURE-CERTIFIER Title DATE SIGNED Month Day Year

MAILING ADDRESS-CERTIFIER Street or R.F.D. No. City or Village State Zip

22b. ☐ BURIAL ☐ CREMATION ☐ REMOVAL 22c. CEMETERY OR CREMATORY-NAME LOCATION City State

BURIAL-DATE Month Day Year FUNERAL HOME-NAME AND ADDRESS Street or R.F.D. No. City or Village State Zip

FUNERAL DIRECTOR-SIGNATURE REGISTRAR-SIGNATURE DATE RECEIVED By Local Registrar Month Day Year

Qualifications and Limitations of Data and Calculations

Completeness of Registration

The Bureau of Census assisted in a test of completeness of registration of births in connection with the 1950 census. Registration completeness was 99.6 percent of all births. It is assumed that this relatively complete registration has continued since that time.

Although no test of death registration has been completed, it is assumed that death registration is reasonably complete since burial permit laws and regulations require the filing of a death certificate before a burial permit for the disposition of a body is issued.

Fetal death reporting requires reports for all fetuses of 20 weeks gestation and over. No test for completeness of registration has been done. It is recognized, however, that fetal deaths are likely to be less well reported than other vital events.

Infant Death Data

Notification of infant death is obtained from the regular death certificate. However, much information relevant to the circumstance of infant death is found on the birth certificate. Birth and death records have, therefore, been matched to produce a composite infant death tape, which is the source of Tables 23a, 22 and 25. Tables 11, 12, 13 and 24, on the other hand, are produced from the general death file. Table 10 is derived from both sources, as noted on the table. Discrepancies between these two sources are minimal, however, usually involving fewer than ten deaths.

Geographic Classification

In most tables, geographical classifications are limited to county breakdowns. The term "urban" used in some summary tables refers to the sum of those incorporated places having a population of 2,500 or more in the 1970 census. It should be particularly noted that this does not correspond to the official Census Bureau usage since it excludes those portions of urbanized areas that are unincorporated and/or under 2,500 population. Similarly "balance of county" should not be construed as "rural". Tables 23 and 23a lists cities, towns, and villages of 2,500 or more population. All others are summed in balance of county.

Events are assigned to geographical areas according either to place of residence or to place of occurrence. The basis for classification is identified in each table and should be carefully observed when extracting information.

● "Resident Data" means events have been assigned to the area where the person lives (usually legal residence) regardless of where they occurred. In the case of infant deaths and births, the reference is to the residence of the mother. It should be noted that in the case of infant deaths, the place of residence at death may differ from the place of residence at birth; when special tabulations are prepared from both birth and death certificates, it is important to note to which residence category they were assigned. The published tables referred to above under "Infant Death Data" are all based on residence at death.

● "Occurrence Data" means tabulation according to where the events took place, regardless of the usual residence of the person. Since nearly all births and most deaths take place in hospitals, the number which occur in the five counties without hospitals is small. Likewise, the number of occurrences in counties with many hospitals will be large for this reason alone. The five Wisconsin counties in which no hospital is located are:

Florence
Forest
Iron
Menominee
Marquette

Comparability in Cause-of-Death Statistics

There are two major limitations in interpreting changes in cause-of-death statistics. Changes in diagnostic practice may affect the comparability of such statistics over time, as do changes in nomenclature and in the classification scheme. The International Classification of Diseases is revised approximately every ten years to incorporate advances in medical science and to reflect changing medical opinion and practice. In Wisconsin, the Sixth Revision was used from 1949-1957, the Seventh Revision from 1958-1967. The Eighth Revision has been used since 1968.

Mortality statistics in this report are thus based on the Eighth Revision, (Adapted for Use in the United States--ICDA 8). These data represent the underlying cause of death as determined by the medical certifier, i.e., the attending physician or coroner. The underlying cause is defined as "the disease or injury which initiated the train of morbid events, leading directly to death" (ICDA, Eighth Revision, 1968, vol. 1, page xxix). Prior to 1973, when two or more causes were jointly recorded, the coder in the Bureau of Health Statistics selected the underlying cause using the ancillary information provided on the death certificate by the physician. Beginning in 1973, however, all causes mentioned on the certificate are coded, and the underlying cause is determined using computer procedures.

The introduction of the concept of "underlying" cause in 1949 with the Sixth Revision resulted in a basic change in the classification of death that would seriously affect the interpretation of mortality trends before and after 1949. Under the first five revisions of the International Classification, prior to 1949, causes of death were coded on the basis of priority tables for multiple causes, as set forth in The Manual for Joint Causes of Death. Comparability ratios based on the Fifth and Sixth Revisions were published by the National Center for Health Statistics (Vital Statistics-Special Reports, Vol. 51, No. 3). The Seventh Revision was essentially a clarification of the Sixth Revision.

The Eighth Revision introduced some major modifications in classification lists and coding procedures that created a need for comparability ratios for some causes of death when comparisons are made before and after 1968. A study of this problem at the National Center for Health Statistics reveals many small discontinuities and several serious interpretation problems.¹⁾

1) A. Joan Klebba, Comparability of Mortality Statistics for the Seventh and Eighth Revisions of the International Classification of Diseases, United States--DHEW Publication No. (HRA) 76-1340.

- The totals for Diseases of the Heart were relatively unaffected by the introduction of the Eighth Revision although substantial changes, that compensate for each other, occurred in the subdivisions of the category. For example, hypertensive heart disease showed a substantial decrease, while other diseases of arteries showed a substantial increase under the new system.

- Cerebrovascular Disease did not change significantly under the Eighth Revision. However, it was formerly called Vascular Lesions Affecting the Central Nervous System and was listed under Diseases of the Nervous and Sense Organs rather than under Diseases of the Circulatory System.

- A new category of violent death, Injuries Undetermined Whether Accidentally or Purposely Inflicted, was introduced under the Eighth Revision. This category includes some deaths that were formerly attributed to accidental causes.

- Infant Mortality underwent substantial change between subdivisions of the category. These changes appear to compensate for each other without causing significant changes in Infant Mortality as a general category. Birth Injury was substantially reduced, whereas Other Diseases of Early Infancy showed a large increase with the introduction of the Eighth Revision.

- In Wisconsin an earlier change in the practice of coding Birth Injuries and Immaturity was put into effect in 1959. Previously, the cause of death was determined by reviewing the birth and death certificates combined. Since 1959, the cause of infant death has been determined from the death certificate alone.

Small Frequencies

The numbers of births or deaths reported for a community represent complete counts of these events. As such, they are not subject to sampling error or variation, although they are subject to errors in the collection and processing procedures. However, when the figures are used for comparison of frequencies and rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances. The probable range of values may be estimated from the actual figures according to certain statistical assumptions (Vital Statistics for the U.S., Vol. 1, 1959, p. 1-20). Frequencies of and rates based on fewer than 20 deaths are therefore omitted from this report because they are subject to large random fluctuations. The number "20" is arbitrary, however, and is not set forth as a critical point distinguishing statistically reliable rates.

Rates

In interpreting the conditions described by vital statistics rates, considerable caution must be observed. In particular, differences in rates from time to time or place to place may arise from a number of population differences and other compounding factors, and appropriate techniques (e.g. standardization) should be utilized in such comparisons.

Population

POPULATION

The indispensable context for the analysis and interpretation of events is the population to whom the events are happening. Wisconsin's 1840 Census found less than 31,000 people. Twenty years later there were 776,000. From 1860 until the end of the century the ten-year growth rate varied from 36% in the 1860's to 22% in the 1890's as Wisconsin attained its second million just before the century turned. The growth each decade in our century has varied from 7% in the 1930's to 15% in the 1950's, these extremes being accounted for by very low and very high fertility. (Recent growth is displayed in detail in Table 2). The Final Report of the April 1, 1970 Census indicates that the 1960 to 1970 growth was about 12% for the state. Estimates of the population on July 1, 1977 (see Tables 1 through 6) indicate a continued rate of growth of less than 0.7% per year since the 1970 Census.

The most important population variables for vital statistics are age, sex, race, and geographic distribution. The age and sex distribution history of Wisconsin is summarized in Figure 2. The reduced fertility of the 1930's creates the narrow base of the 1940 pyramid. This becomes the "waist" in the 1960 pyramid. Figures 1 and 1a relate age to dependency in 1960 to 1970, and 1970 to 1977. Note that between 1960 and 1970 the ages that gained most were the ten to twenty-five year olds and those over age seventy-five. Between 1970 and 1977 the growth cohorts have been the 20 to 35 year olds (the baby boom is getting older) and the advanced aged 85+ (reduced mortality rates). The shrinking cohorts are 40-44 (depression) and the under 15 (birth dearth). The sex ratio (males per hundred females) shows a substantial shift toward female dominance. About 105 males are born for each 100 females. Higher mortality rates for males at all ages gradually whittle this advantage away and at older ages there are many more women than men (at age 85 and older more than twice as many). But in Wisconsin we have had substantial foreign-born population that was predominately male. As this population ages into high mortality rates, the immigration advantage of males declines. As late as 1930 there were 106 males per 100 females in the total population. From that point the ratio has declined to 104 in 1940, 101 in 1950, 99 in 1960 and 96 in 1970. The decline is likely to continue.

The racial distribution of Wisconsin's population remains predominantly white, 96.4% in 1970. (Because of small numbers and the paucity of data no postcensal estimates by race are included here). The non-white population component is changing in noteworthy ways. Blacks numbered 2,500 in 1900, only 23% of the total non-white population. Growth until 1940 was modest, reaching only 12,200 in 1940. In the 1940's 16,000 were added, in the 1950's 46,000 and in the 1960's 54,000 for a 1970 total of 128,000. Blacks in 1970 represented 80% of Wisconsin non-whites (compared to 90% for U.S. total. As is true all over the U.S. (except in the rural South) blacks are predominantly urban in Wisconsin (98%). American Indians are a larger part of Wisconsin's population than of all but a few other states. The increase of 32% during the 1960's represents an extremely high rate of natural increase (the excess of live births over deaths). Three of every five Wisconsin Indians live in a rural setting, but a significant number now have adopted

urban residence (Milwaukee County has more Indians than any other county). Non-white other than Blacks and Indians are primarily Japanese, Chinese, and Filipino. Their numbers, though small, increased spectacularly during the 1960's from four thousand to nearly twelve thousand. More than half live in the central cities of metropolitan areas.

The changing size of various age segments is striking and has significant implications. The number of preschool children declined substantially between 1960 and 1970, from 470,000 to 382,000, a 19% drop. The 382,000 is nevertheless a large number, higher than any prior census of preschoolers except 1960. The population of school age (5 through 19) has grown enormously in the last two decades, from about 800,000 in both 1940 and 1950 to nearly 1,400,000 in 1970. The entering cohorts of five year olds are now smaller than the departing cohorts so the school age population will decline for at least a few years. Its size after that will be determined by fertility.

For some insight on fertility we turn to the population of women of child-bearing age. Between 1940 and 1960 little change took place. Women 15 through 44 numbered 721,000 in 1940, 734,000 in 1950, and 748,000 in 1960. But during the 1960's the girl babies of the postwar baby boom began to reach childbearing age and the 1970 population jumped to nearly 900,000. The increase was at the younger ages, the under thirty group was 157,000 larger in 1970, the over thirty group actually 19,000 smaller than in 1960. This portends great fertility potential unless the rates at which the women bear children continue to decline substantially (see section on Natality).

The aged population increased by 70,000 during the 1960's, a smaller increase than Wisconsin experienced in the 1950's. The proportion of the population 65 and older are of the total population increased only from 10.2 to 10.7%. Within this larger group the differences by age reveal some changes. While the population 65 through 69 has increased slowly (28% 1950 to 1970), those 70 through 74 increased nearly 50% and those 75 and older increased 85% in twenty years. Two factors are probably at work, the differential size of the birth cohorts which are moving into these ages, and more favorable mortality for the aged. Since 1970 the proportion the 65+ to the total population has increased to 11.6%.

The 1977 age-sex population estimates (tables 3 and 4) reveal in general a continuation of the trends evident in the 1960's. The smaller birth cohorts of the mid to late sixties have now entered the 5-9 age group. The children and young adults born in the postwar baby boom, as they age to maturity, have greatly enlarged the 15-29 age group, an increase of 81% since 1960. This increase, currently about 10,000 per year, will reverse about 1980.

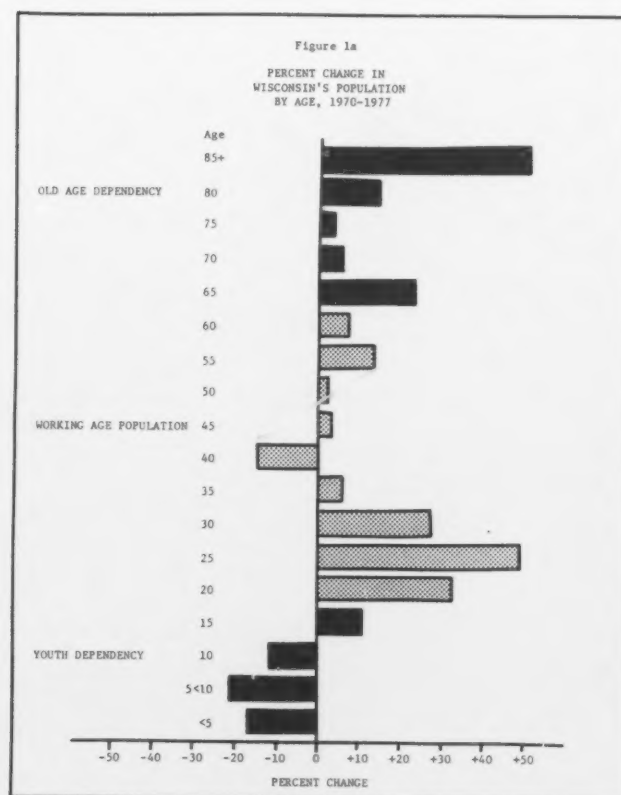
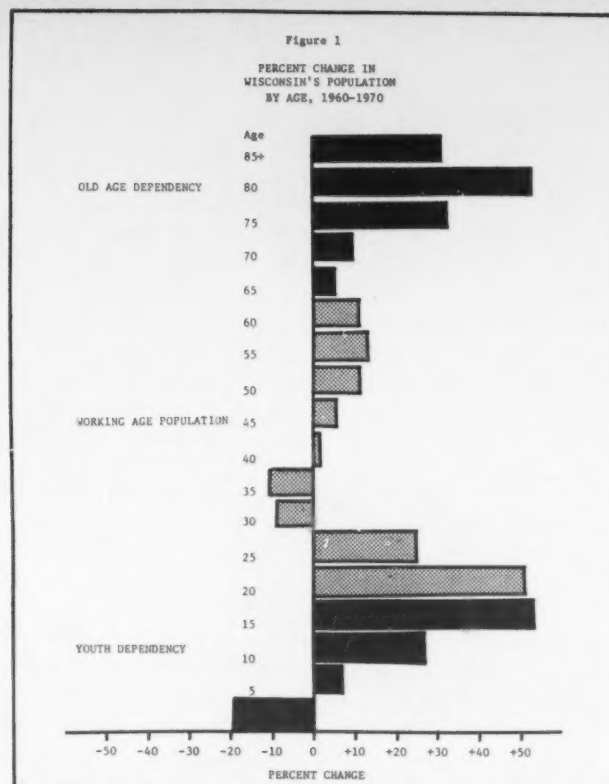
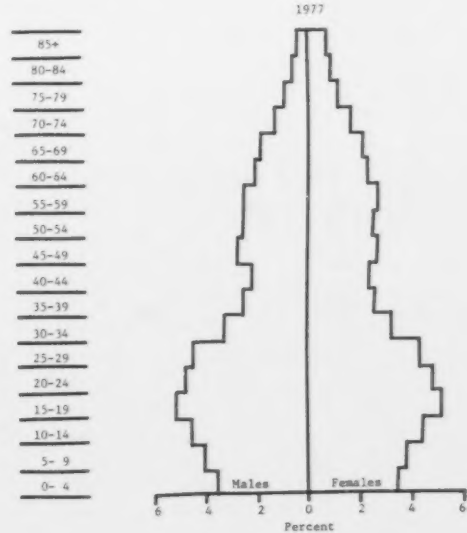
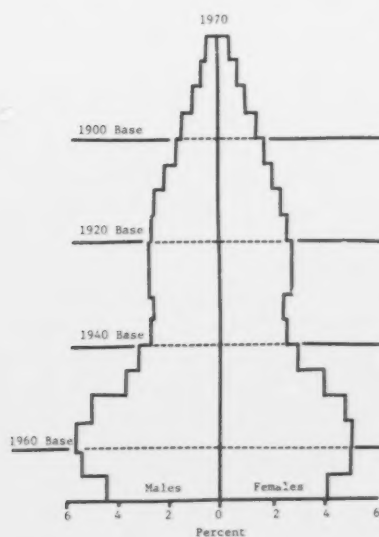
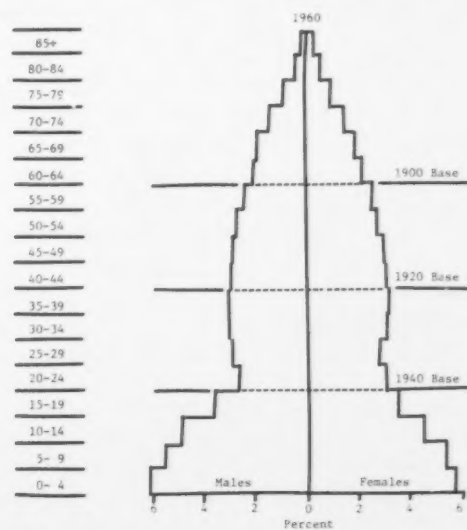
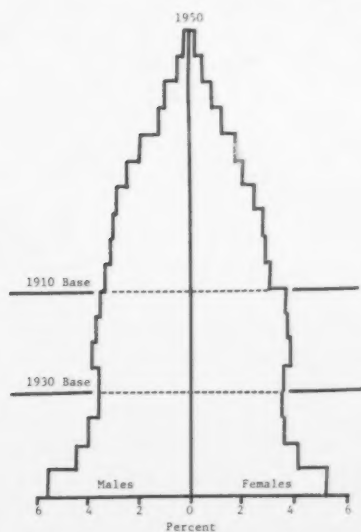
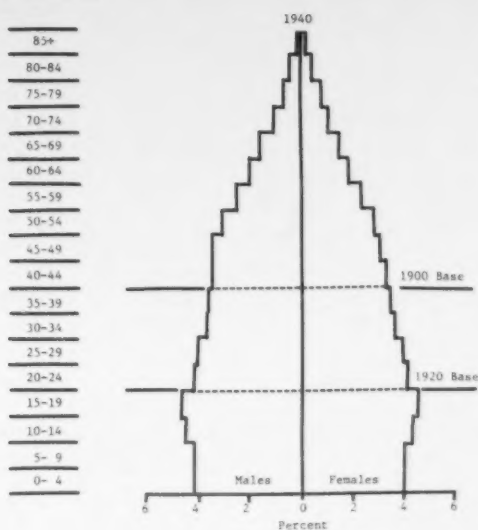
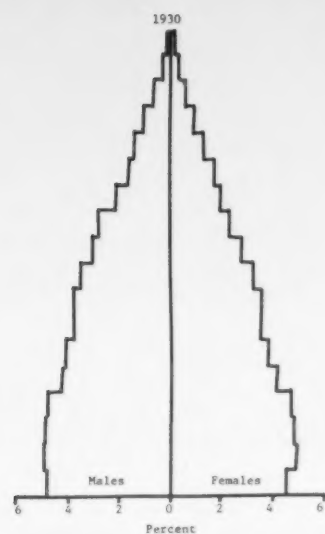


Figure 2. POPULATION PYRAMIDS
Wisconsin, 1930-1976



The population under twenty is called "youth dependent", the population 65 and older "aged dependent"; what of the population between 20 and 65 on whom they are dependent? This group has been declining as a proportion of the total. In 1940 they were nearly 60%, in 1950 57%, the big drop came during the 1950's to 50% in 1960, and finally to 49% in 1970. The younger adults were increasing their share of the total during the 1960's. Current population projections indicate that the proportion of the Working Age, 54.3% in 1977, will stabilize at between 57 and 58% by 1985 for the rest of this century.

One way to appreciate the changing geographic distribution is to look at the Census year of greatest population of each of our seventy-two counties. If a line is drawn northeast to southwest so that Door, Brown, Outagamie, Winnebago, Green Lake, Columbia, Dane, Iowa, and Grant are south and east of the line, then the following remarkable division occurs. Of the twenty-six counties to the southeast, twenty-three had their greatest census in 1970. The three exceptions are Door, which fell below 1950, and Iowa and Lafayette which attained their greatest population in the mining era of 1870. Conversely, of the forty-six counties northwest of the line, only fourteen had their largest census in 1970. They present an interesting pattern: along the Wisconsin River and U. S. Highway 51 are Vilas, Oneida, Lincoln, Marathon, Wood, Portage, and Sauk; Waupaca County to the East Central; La Crosse in West Central; and in the Northwest the cluster of Eau Claire, Chippewa, Dunn, St. Croix, and Pierce. All others were in 1970 below earlier censuses. (Figures 3 and 4 detail the 1970 to 1977 changes). The decade of the sixties saw a substantial decline in both natural increase and net outmigration. The same northwest/southeast division remains useful in the 1970-1977 period. Whereas in the sixties only six of the forty-six counties in the northwest gained population at the State rate or better; since 1970 thirty-seven are gaining faster. The exceptions are Douglas, Ashland, and Iron in the northernmost tier; Langlade, Chippewa, and Pepin scattered in the North-to-South middle of the State; and Vernon, Richland, and Sauk in the Southwest. Southeast of the line, fourteen of the twenty-six grew faster in the State in the sixties, thirteen are doing so in the seventies.

Figure 3. TOTAL POPULATION GROWTH
BY COUNTIES, WISCONSIN - 1970-1977

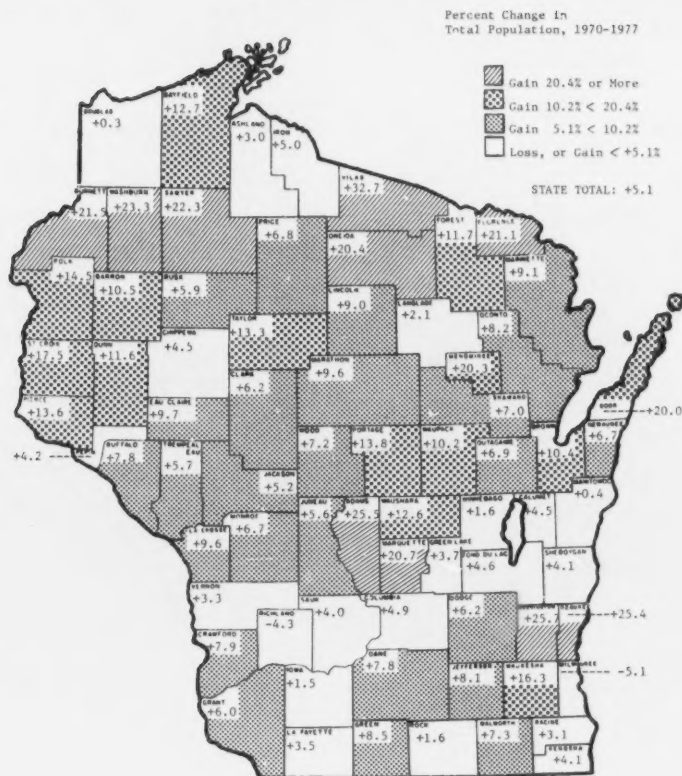


Figure 4. PERCENT CHANGE IN POPULATION DUE TO MIGRATION
BY COUNTIES, WISCONSIN - 1970-1977

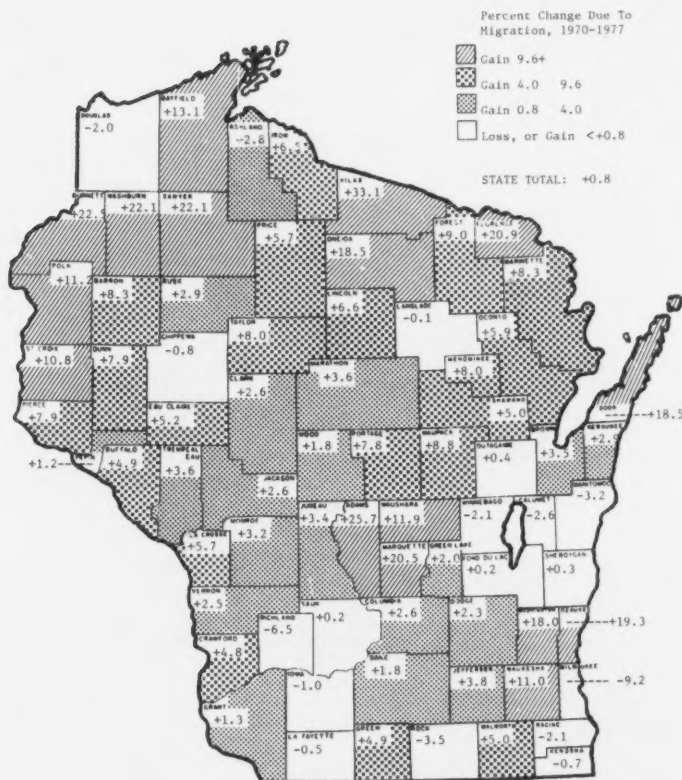


Table 1

WISCONSIN POPULATION BY COUNTIES ENUMERATED IN 1970 AND ESTIMATED* JULY 1, 1977
WITH AMOUNT AND RATE OF CHANGE

P. 1 of 2 pages

County	April 1, 1970 U. S. Census			July 1, 1977 Estimate	Change from 1970-1977	
	Total	White	Nonwhite		Number	Percent
State Total.....	4,417,821	4,261,609	156,212	4,651,000**	233,179	5.3
Adams.....	9,234	9,141	93	11,700	2,466	26.7
Ashland.....	16,743	15,985	758	17,200	457	2.7
Barron.....	33,955	33,858	97	37,500	3,545	10.4
Bayfield.....	11,683	11,077	606	12,800	1,117	9.6
Brown.....	158,244	156,015	2,229	175,200	16,956	10.7
Buffalo.....	13,743	13,729	14	14,700	957	7.0
Burnett.....	9,276	9,011	265	11,400	2,124	22.9
Calumet.....	27,604	27,520	84	28,600	996	3.6
Chippewa.....	47,717	47,612	105	49,400	1,683	3.5
Clark.....	30,361	30,271	90	31,800	1,439	4.7
Columbia.....	40,150	40,033	117	42,000	1,850	4.6
Crawford.....	15,252	15,223	29	16,900	1,648	10.8
Dane.....	290,272	284,892	5,380	313,000	22,728	7.8
Dodge.....	69,004	68,350	654	73,100	4,096	5.9
Door.....	20,106	19,969	137	24,100	3,994	19.9
Douglas.....	44,657	44,225	432	45,400	743	1.7
Dunn.....	28,991	28,831	160	32,800	3,809	13.1
Eau Claire.....	67,219	66,892	327	73,600	6,381	9.5
Florence.....	3,298	3,270	28	3,800	502	15.2
Fond du Lac.....	84,567	84,214	353	88,100	3,533	4.2
Forest.....	7,691	7,296	395	8,100	409	5.3
Grant.....	48,398	48,214	184	51,100	2,702	5.6
Green.....	26,714	26,634	80	29,300	2,586	9.7
Green Lake.....	16,878	16,860	18	17,700	822	4.9
Iowa.....	19,306	19,277	29	19,200	- 106	- 0.5
Iron.....	6,533	6,515	18	6,700	167	2.6
Jackson.....	15,325	14,861	464	15,100	- 225	- 1.5
Jefferson.....	60,060	59,841	219	64,500	4,440	7.4
Juneau.....	18,455	18,155	300	19,600	1,145	6.2
Kenosha.....	117,917	115,662	2,255	124,800	6,883	5.8
Kewaunee.....	18,961	18,924	37	20,200	1,239	6.5
La Crosse.....	80,468	80,147	321	86,400	5,932	7.4
Lafayette.....	17,456	17,427	29	17,700	244	1.4
Langlade.....	19,220	19,053	167	19,500	280	1.5
Lincoln.....	23,499	23,434	65	24,800	1,301	5.5
Manitowoc.....	82,294	82,036	258	83,100	806	1.0
Marathon.....	97,457	97,265	192	106,600	9,143	9.4
Marinette.....	35,810	35,722	88	39,400	3,590	10.0
Marquette.....	8,865	8,846	19	10,900	2,035	23.0
Menominee.....	2,607	298	2,309	2,900	293	11.2
Milwaukee.....	1,054,249	941,200	113,049	1,006,600	-47,649	- 4.5
Monroe.....	31,610	31,383	227	33,800	2,190	6.9
Oconto.....	25,553	25,446	107	27,600	2,047	8.0
Oneida.....	24,427	24,278	149	29,500	5,073	20.8
Outagamie.....	119,398	118,104	1,294	127,700	8,302	7.0

Tables 1, 3, 12 & 13 are based on provisional estimates: Current Population Reports, P26-No. 77-49, issued March, 1979.

Table 4 is based on a revised estimate of the State population.

**Total does not agree with the sum of the counties due to independent rounding.

Note: The 1970 Census figures have been updated and corrected since the 1976 PHS publication.

Table 1 (Cont.)

WISCONSIN POPULATION BY COUNTIES ENUMERATED IN 1970 AND ESTIMATED* JULY 1, 1977
WITH AMOUNT AND RATE OF CHANGE

P. 2 of 2 pages

County	April 1, 1970 U. S. Census			July 1, 1977 Estimate	Change from 1970-1977	
	Total	White	Nonwhite		Number	Percent
Ozaukee.....	54,461	54,249	212	68,900	14,439	26.5
Pepin.....	7,319	7,313	6	7,700	381	5.2
Pierce.....	26,652	26,528	124	30,600	3,948	14.8
Polk.....	26,666	26,502	164	31,000	4,334	16.3
Portage.....	47,541	47,333	208	54,300	6,759	14.2
Price.....	14,520	14,487	33	15,600	1,080	7.4
Racine.....	170,838	159,662	11,176	176,800	5,962	3.5
Richland.....	17,079	17,047	32	16,400	- 679	- 4.0
Rock.....	131,970	128,469	3,501	134,100	2,130	1.6
Rusk.....	14,238	14,190	48	15,500	1,262	8.9
St. Croix.....	34,354	34,256	98	40,100	5,746	16.7
Sauk.....	39,057	38,874	183	40,700	1,643	4.2
Sawyer.....	9,670	8,803	867	12,700	3,030	31.3
Shawano.....	32,650	31,652	998	34,600	1,950	6.0
Sheboygan.....	96,660	96,238	422	100,500	3,840	4.0
Taylor.....	16,958	16,928	30	19,000	2,042	12.0
Trempealeau.....	23,344	23,301	43	24,600	1,256	5.4
Vernon.....	24,557	24,527	30	24,800	243	1.0
Vilas.....	10,958	10,044	914	13,900	2,942	26.8
Walworth.....	63,444	62,929	515	68,200	4,756	7.5
Washburn.....	10,601	10,519	82	13,300	2,699	25.5
Washington.....	63,839	63,672	167	80,100	16,261	25.5
Waukesha.....	231,335	230,315	1,020	271,000	39,665	17.1
Waupaca.....	37,780	37,657	123	41,800	4,020	10.6
Waushara.....	14,795	14,762	33	16,300	1,505	10.2
Winnebago.....	129,946	129,319	627	133,200	3,254	2.5
Wood.....	65,362	65,037	325	69,700	4,338	6.6

Tables 1, 3, 12 & 13 are based on provisional estimates: Current Population Reports, P26-No. 77-49, issued March, 1979.

Table 4 is based on a revised estimate of the State population.

**Total does not agree with the sum of the counties due to independent rounding.

Note: The 1970 Census figures have been updated and corrected since the 1976 PHS publication.

Table 2
WISCONSIN POPULATION GROWTH DUE TO NATURAL INCREASE AND MIGRATION
1930-1977

Year	Estimated Population July 1, each year	Resident ^a Births	Resident ^a Deaths	Natural Increase (Births minus Deaths)	% gain or loss ^e through migration (total gain minus natural increase)
1930	2,947,000	56,132 ^b	30,886 ^b	25,246	+0.06
1931	2,972,000	55,533 ^b	30,345 ^b	25,188	-0.01
1932	2,992,000	53,874 ^b	30,248 ^b	23,626	-0.12
1933	3,009,000	51,888 ^b	29,885 ^b	22,003	-0.17
1934	3,028,000	50,956	29,820	21,136	-0.07
1935	3,048,000	51,932	30,284	21,648	-0.05
1936	3,063,000	52,416	31,665	20,751	-0.19
1937	3,078,000	52,967	32,330	20,637	-0.18
1938	3,099,000	54,125	31,060	23,065	-0.07
1939	3,121,000	54,467	30,895	23,572	-0.05
1940	3,138,000	55,256 ^c	31,431	23,825	-0.22
1941	3,140,000	57,184	30,952	26,232	-0.77
1942	3,053,000	61,274	30,543	30,731	-3.86
1943	3,014,000	65,004	31,482	33,522	-2.41
1944	2,980,000	63,716	31,849	31,867	-2.21
1945	2,961,000	61,753	31,575	30,178	-1.66
1946	3,167,000	68,223	31,871	36,352	+5.36
1947	3,250,000	79,715	32,522	47,193	+1.10
1948	3,314,000	83,188	32,807	50,381	+0.41
1949	3,391,000	82,499	32,706	49,793	+0.80
1950	3,449,000	82,774	33,225	49,549	+0.25
1951	3,437,000	85,092	33,486	51,606	-1.85
1952	3,463,000	88,381	33,643	54,738	-0.83
1953	3,502,000	88,675	34,364	54,311	-0.44
1954	3,599,000	89,989	34,275	55,714	+1.15
1955	3,666,000	91,952	34,480	57,472	+0.26
1956	3,740,000	92,915	35,374	57,541	+0.44
1957	3,802,000	94,947	36,342	58,605	+0.09
1958	3,863,000	96,174	37,322	58,852	+0.06
1959	3,915,000	97,234	37,312	59,922	-0.20
1960 ^d	3,967,000	99,006	37,644	61,362	-0.24
1961	4,014,000	98,965	37,724	61,241	-0.35
1962	4,043,000	96,467	37,829	58,638	-0.73
1963	4,086,000	93,052	39,004	54,048	-0.27
1964	4,151,000	90,258	39,274	50,984	+0.34
1965	4,212,000	85,915	39,509	46,406	+0.35
1966	4,262,000	81,666	40,241	41,425	+0.20
1967	4,303,000	78,105	39,995	38,110	+0.07
1968	4,332,000	75,028	40,489	34,539	-0.13
1969	4,381,000	74,291	41,198	33,093	+0.36
1970	4,427,000	75,890	40,946	34,944	+0.25
1971	4,473,000	74,716	40,600	34,116	+0.27
1972	4,526,000	68,348	41,227	27,121	+0.57
1973	4,539,000	63,758	41,684	22,074	-0.20
1974	4,565,000	63,973	41,052	22,921	+0.07
1975	4,589,000	65,147	40,363	24,784	-0.02
1976	4,609,000	65,093	40,054	25,039	-0.11
1977	4,651,000	66,795	39,759	27,036	+0.32

Intercensal Population Increase

1930-1940	198,581	534,071	307,555	226,516	-0.89
1940-1950	296,988	684,692	318,186	366,506	-2.02
1950-1960	517,202	912,192	350,928	561,264	-1.11
1960-1970	465,954	866,975	393,733	473,242	-0.16

a. Births and Deaths in the upper panel have been recomputed on a Fiscal Year basis (July 1 to June 30) to match midyear population estimates. Births and Deaths in the lower panel have been recomputed to an April 1 to March 31 basis to match Census dates.

b. Occurrence figures for both births and deaths, 1930 thru 1933.

c. Number of live births 1940-1950 corrected for underregistration.

d. July 1 estimates, 1960 to 1969, have been adjusted for the error in previously published estimates revealed in the 1970 Census Final Report.

e. The percent gain or loss through migration is computed by dividing the number of net migrants by the population at the beginning of the period in hundreds.

Table 3

WISCONSIN POPULATION CHARACTERISTICS BY COUNTY - JULY 1, 1977 ESTIMATE

P. 1 of 2 pages

County	Male	Female	Total	Age			
				0-19	20-34	35-64	65+
State Total.....	2,282,650	2,368,650	4,651,000	1,612,900	1,115,100	1,379,250	544,050
Adams.....	5,700	6,000	11,700	3,800	2,450	3,450	2,000
Ashland.....	8,550	8,650	17,200	5,900	3,550	5,150	2,600
Barron.....	18,750	18,750	37,500	13,250	7,150	11,750	5,350
Bayfield.....	6,300	6,500	12,800	4,150	2,700	3,800	2,150
Brown.....	90,600	84,600	175,200	66,550	44,450	47,700	16,500
Buffalo.....	7,350	7,350	14,700	5,200	2,800	4,600	2,100
Burnett.....	5,150	6,250	11,400	2,850	2,250	4,200	2,100
Calumet.....	14,800	13,800	28,600	10,850	7,250	7,800	2,700
Chippewa.....	23,750	25,650	49,400	18,750	11,350	13,600	5,700
Clark.....	16,700	15,100	31,800	12,100	6,200	8,900	4,600
Columbia.....	20,900	21,100	42,000	14,350	8,750	12,500	6,400
Crawford.....	8,900	8,000	16,900	6,450	3,300	4,700	2,450
Dane.....	153,900	159,100	313,000	91,900	106,300	87,250	27,550
Dodge.....	35,200	37,900	73,100	22,550	17,650	22,850	10,050
Door.....	11,750	12,350	24,100	7,800	5,050	7,150	4,100
Douglas.....	21,350	24,050	45,400	14,750	10,800	14,400	5,450
Dunn.....	16,350	16,450	32,800	12,900	8,700	7,750	3,450
Eau Claire.....	35,900	37,700	73,600	26,650	18,050	20,100	8,800
Florence.....	2,000	1,800	3,800	1,450	750	1,050	550
Fond du Lac.....	42,350	45,750	88,100	33,350	20,200	24,350	10,200
Forest.....	4,000	4,100	8,100	2,650	1,600	2,600	1,250
Grant.....	25,500	25,600	51,100	20,100	13,500	12,150	5,350
Green.....	14,600	14,700	29,300	10,050	6,100	8,700	4,450
Green Lake.....	8,700	9,000	17,700	5,900	3,300	5,550	2,950
Iowa.....	9,550	9,650	19,200	8,500	4,050	4,300	2,350
Iron.....	3,050	3,650	6,700	1,700	1,300	2,450	1,250
Jackson.....	7,550	7,550	15,100	5,350	2,850	4,750	2,150
Jefferson.....	31,500	33,000	64,500	23,350	15,800	17,650	7,700
Juneau.....	9,750	9,850	19,600	6,700	4,150	5,800	2,950
Kenosha.....	60,550	64,250	124,800	42,350	30,300	38,350	13,800
Kewaunee.....	10,050	10,150	20,200	8,900	4,200	4,600	2,500
La Crosse.....	42,100	44,300	86,400	31,300	21,150	23,650	10,300
Lafayette.....	8,800	8,900	17,700	7,800	3,750	4,000	2,150
Langlade.....	10,250	9,250	19,500	7,450	3,800	5,450	2,800
Lincoln.....	12,400	12,400	24,800	8,750	4,750	7,800	3,500
Manitowoc.....	39,950	43,150	83,100	31,500	19,050	22,900	9,650
Marathon.....	51,200	55,400	106,600	40,350	24,500	29,400	12,350
Marinette.....	19,600	19,800	39,400	13,950	7,500	12,350	5,600
Marquette.....	4,950	5,950	10,900	2,750	2,100	4,050	2,000
Menominee.....	1,400	1,500	2,900	1,650	450	650	150
Milwaukee.....	473,250	533,350	1,006,600	327,650	239,250	319,200	120,500
Monroe.....	16,850	16,950	33,800	11,950	6,450	10,550	4,850
Oconto.....	14,450	13,150	27,600	10,500	5,400	7,700	4,000
Oneida.....	14,700	14,800	29,500	10,450	5,600	9,250	4,200
Outagamie.....	66,100	61,600	127,700	48,500	32,400	34,800	12,000

Note: State estimates are shown to the nearest thousand, county estimates to the nearest hundred, therefore, the state total may not agree with the sum of the counties.

Tables 1, 3, 12 & 13 are based on provisional estimates: Current Population Reports, P26-No. 77-49, issued March, 1979.

Table 4 is based on a revised estimate of the State population.

Table 3 (Cont.)

WISCONSIN POPULATION CHARACTERISTICS BY COUNTY - JULY 1, 1977 ESTIMATE

P. 2 of 2 pages

County	Male	Female	Total	Age			
				0-19	20-34	35-64	65+
Ozaukee.....	35,850	33,050	68,900	24,250	16,400	22,950	5,300
Pepin.....	3,900	3,800	7,700	2,550	1,500	2,550	1,100
Pierce.....	15,250	15,350	30,600	12,000	8,100	7,300	3,200
Polk.....	15,450	15,550	31,000	10,950	5,900	9,700	4,450
Portage.....	27,100	27,200	54,300	21,350	14,350	12,900	5,700
Price.....	7,600	8,000	15,600	5,050	3,250	4,600	2,700
Racine.....	85,750	91,050	176,800	60,050	42,900	54,350	19,500
Richland.....	8,150	8,250	16,400	5,600	3,400	4,900	2,500
Rock.....	65,050	69,050	134,100	45,550	32,500	41,250	14,800
Rusk.....	8,150	7,350	15,500	5,900	3,050	4,350	2,200
St. Croix.....	19,250	20,850	40,100	15,200	9,200	11,050	4,650
Sauk.....	20,250	20,450	40,700	13,900	8,450	12,150	6,200
Sawyer.....	6,800	5,900	12,700	4,450	2,350	3,800	2,100
Shawano.....	17,300	17,300	34,600	12,250	6,600	10,750	5,000
Sheboygan.....	48,350	52,150	100,500	31,050	24,300	31,350	13,800
Taylor.....	9,600	9,400	19,000	6,300	3,800	6,100	2,800
Trempealeau.....	12,300	12,300	24,600	8,700	4,700	7,700	3,500
Vernon.....	12,150	12,650	24,800	8,050	5,200	7,300	4,250
Vilas.....	7,450	6,450	13,900	4,850	2,550	4,200	2,300
Walworth.....	33,200	35,000	68,200	24,700	16,750	18,650	8,100
Washburn.....	7,150	6,150	13,300	4,650	2,450	4,000	2,200
Washington.....	41,450	38,650	80,100	30,400	20,350	21,750	7,600
Waukesha.....	141,000	130,000	271,000	95,500	64,500	90,000	21,000
Waupaca.....	20,600	21,200	41,800	13,950	7,850	13,100	6,900
Waushara.....	8,050	8,250	16,300	5,400	3,050	5,100	2,750
Winnebago.....	64,950	68,250	133,200	48,250	32,650	36,450	15,850
Wood.....	33,500	36,200	69,700	26,400	16,000	19,250	8,050

Figure 1

BIRTH AND DEATH RATES, WISCONSIN, 1935-1977

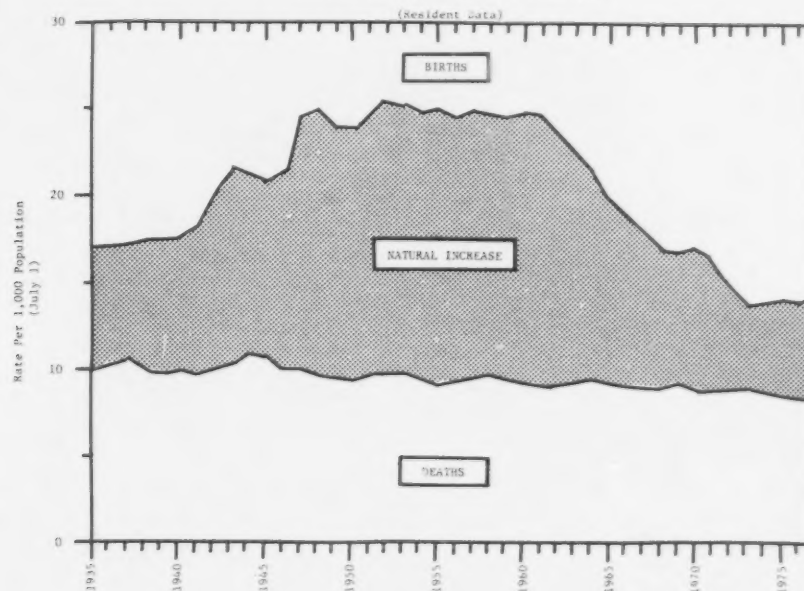


Table 4
WISCONSIN POPULATION BY AGE AND SEX, WHITE AND NONWHITE
1970 CENSUS AND 1977 ESTIMATE

Age	Total				Male				Female			
	1977 Estimate	1970 Census			1977 Estimate	1970 Census			1977 Estimate	1970 Census		
		Total	White	Nonwhite		Total	White	Nonwhite		Total	White	Nonwhite
Total	4,645,000	4,417,821	4,261,609	156,212	2,279,000	2,167,413	2,091,682	75,731	2,366,000	2,250,408	2,169,927	80,481
Under 5	320,000	382,405	361,705	20,700	164,000	195,495	185,124	10,371	156,000	186,910	176,581	10,329
Under 1	66,000				34,000				32,000			
1 year												
2 years												
3 years												
4 years												
5-9 years	362,000	461,481	439,978	21,503	184,000	235,267	224,559	10,708	178,000	226,214	215,419	10,795
10-14 years	421,000	474,478	453,877	20,601	215,000	242,619	232,347	10,272	206,000	231,859	221,530	10,329
15-19 years	477,000	433,428	416,359	17,069	240,000	218,303	209,806	8,497	237,000	215,125	206,553	8,572
20-24 years	446,000	337,259	322,909	14,350	221,000	158,230	151,623	6,607	225,000	179,029	171,286	7,743
25-29 years	405,000	272,919	261,766	11,153	207,000	135,219	130,064	5,155	198,000	137,700	131,702	5,998
30-34 years	296,000	233,824	224,113	9,711	147,000	115,915	111,484	4,431	149,000	117,909	112,629	5,280
35-39 years	239,000	226,130	217,152	8,978	118,000	111,881	107,614	4,067	121,000	114,449	109,538	4,911
40-44 years	208,000	244,364	236,308	8,056	103,000	121,313	117,466	3,847	105,000	123,051	118,842	4,209
45-49 years	249,000	243,897	237,504	6,393	122,000	119,634	116,402	3,232	127,000	124,263	121,102	3,161
50-54 years	237,000	232,347	227,530	4,817	115,000	112,813	110,445	2,368	122,000	119,534	117,085	2,449
55-59 years	243,000	216,073	212,087	3,986	118,000	104,925	102,981	1,944	125,000	111,148	109,106	2,042
60-64 years	201,000	188,595	185,586	3,009	94,000	90,539	89,100	1,439	107,000	98,056	96,486	1,570
65-69 years	191,000	155,917	153,600	2,317	88,000	72,728	71,628	1,100	103,000	83,189	81,972	1,217
70-74 years	135,000	128,334	126,701	1,633	60,000	56,986	56,185	801	75,000	71,348	70,516	832
75-79 years	97,000	94,220	93,266	954	41,000	40,333	39,881	452	56,000	53,887	53,385	502
80-84 years	65,000	56,987	56,400	587	25,000	22,781	22,528	253	40,000	34,206	33,872	334
85+ years	53,000	35,163	34,768	395	17,000	12,632	12,445	187	36,000	22,531	22,323	208
65+ years	541,000	470,621	464,735	5,886	231,000	205,460	202,667	2,793	310,000	265,161	262,068	3,093
Median age	28.7	27.2	27.6	19.5	27.8	26.2	26.6	18.8	29.5	28.1	28.6	20.1

Note: The 1970 Census age distribution has been adjusted for over-enumeration of centenarians.

Tables 1, 3, 12 & 13 are based on provisional estimates: Current Population Reports, P26-No. 77-49, issued March, 1979.

Table 4 is based on a revised estimate of the State population.

Table 5

ABRIDGED LIVE TABLE FOR WISCONSIN MALES 1975-1977 (1976 Average)

Age Interval X to X + N	Number Living Exactly to Age X	Probability of Death During Age Interval	Total Number of Persons in Age Group X to X + N	*Mean of Years Lived From Age X to Death	**Average Age At Death of Those Age X
0-01	100,000	0.01378	99,003	70.79	74.06
01-04	98,622	0.00250	393,850	70.78	74.31
05-09	98,376	0.00194	491,346	66.95	74.35
10-14	98,185	0.00214	490,438	62.08	74.38
15-19	97,974	0.00621	488,470	57.21	74.42
20-24	97,366	0.00836	484,955	52.55	74.53
25-29	96,552	0.00654	481,306	47.97	74.67
30-34	95,921	0.00744	477,960	43.27	74.79
35-39	95,207	0.00939	473,976	38.57	74.91
40-44	94,313	0.01513	468,273	33.91	75.06
45-49	92,886	0.02395	459,288	29.39	75.29
50-54	90,661	0.04197	444,483	25.04	75.65
55-59	86,856	0.06412	421,313	21.02	76.26
60-64	81,287	0.10731	385,951	17.28	77.15
65-69	72,564	0.15328	336,453	14.04	78.55
70-74	61,442	0.22950	273,217	11.11	80.37
75-79	47,341	0.32933	198,209	8.64	82.87
80-84	31,750	0.44356	122,876	6.64	86.53
85-99	17,667	1.00000	88,011	4.98	92.50

Table 6

ABRIDGED LIVE TABLE FOR WISCONSIN FEMALES 1975-1977 (1976 Average)

Age Interval x to X + N	Number Living Exactly to Age X	Probability of Death During Age Interval	Total Number of Persons in Age Group X to X + N	*Mean of Years Lived From Age X to Death	**Average Age At Death of Those Age X
0-01	100,000	0.01083	99,216	77.72	81.03
01-04	98,917	0.00218	395,102	77.57	81.19
05-09	98,701	0.00122	493,166	73.74	81.22
10-14	98,580	0.00106	492,659	68.83	81.24
15-19	98,475	0.00228	491,861	63.90	81.26
20-24	98,251	0.00261	490,667	59.04	81.29
25-29	97,995	0.00314	489,267	54.18	81.33
30-34	97,687	0.00372	487,601	49.35	81.37
35-39	97,324	0.00584	485,311	44.52	81.42
40-44	96,756	0.00884	481,808	39.77	81.51
45-49	95,901	0.01463	476,267	35.10	81.63
50-54	94,497	0.02279	467,513	30.58	81.83
55-59	92,344	0.03412	454,425	26.23	82.15
60-64	89,193	0.05340	434,898	22.06	82.61
65-69	84,430	0.07697	406,981	18.15	83.30
70-74	77,931	0.12674	366,370	14.44	84.25
75-79	68,054	0.21343	305,385	11.16	85.97
80-84	53,529	0.32060	225,367	8.48	88.97
85-99	36,368	1.00000	228,584	6.29	92.50

*Corresponds to what is usually termed "Life Expectancy" at age X.

**Median age attained by survivors to age X or age attained by 50% of those reaching age X.

Summary of Vital Events

NOTES PERTAINING TO TABLE 7

I. General Footnotes

- a). Resident figures beginning 1934, previous figures are occurrence figures.
- b). Crude birth rates for 1941-1946 are calculated on the civilian population as suggested in National Office of Vital Statistics of the U.S., 1950, Vol. 1, page 29.
- c). Number of live births, 1940-1950 corrected for underregistration.
- d). Figures are by Place of Occurrence.
- e). Excluded legal separations, from 1960 to present.
- f). July 1 estimates, 1960 to 1970 have been revised after the Census.

II. Notes Pertaining to Rates

Live birth, death, marriage, and divorce crude rates per 1,000 population.

Infant death rate per 1,000 live births.

Fetal death rate per 1,000 deliveries (live births plus stillbirths of 20 weeks or more gestation).

Maternal death rate per 100,000 live births plus fetal deaths, (effective 1976). Before 1972, the maternal death rate was presented per 10,000 live births. Between 1972 and 1976, 100,000 live births were used as a base for convenience in dealing with the smaller number of maternal deaths. All earlier years were recalculated to this base.

III. Definition of Terms and Rates

For calculations--refer to technical notes on page viii.

SUMMARY OF VITAL EVENTS

The 1977 health statistics for Wisconsin largely reflect the continuation of general trends. The death rate has steadily decreased from 9.3 in 1972 to 8.5 in 1977. Live birth rates were relatively stable for the five year period 1972-1976, averaging 14.1. The 1977 rate shows an increase to 14.7. The infant death rate has decreased consistently in the last decade, from 19.6 in 1968 to 11.3 in 1977. The fetal death rate has shown a drop in the past five years from 9.3 to 6.9 in 1977.

Registration of vital events (live births, total deaths, fetal deaths or stillbirths, marriages, divorces and annulments) during 1977 totaled 160,607, an increase of approximately 2 percent over 156,376 vital events recorded in 1976.

Divorce and annulment rates rose dramatically after 1960. In 1960, the number of divorces and annulments per 1,000 population was 0.9. By 1977, the rate has more than tripled. During the early sixties marriage rates were at the lowest point since 1933. From 1962 to 1972 the rates rose from 6.0 to 8.5, but have now declined to 8.0 in 1977.

On the average there was a birth every 8 minutes, a death every 13 minutes, an infant death every 11 hours, a neonatal death every 17 hours, a fetal death every 18 hours, a marriage every 14 minutes, and a divorce or annulment every 35 minutes.

Table 7

WISCONSIN VITAL EVENTS AND RATES 1910-1977
(Resident Data)*

Year	Estimated Mid Year Population	Live Births		Infant Deaths		Fetal Deaths		Total Deaths (excl. fetal deaths)		Maternal Deaths		Marriages		Divorces Annulments & Separations	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No. d	Rate	No. d	Rate
1910	2,340,000	51,435	22.0	5,621	109.3	1,414	26.8	28,213	12.1	255	495.8	18,528	7.9	1,189	.5
1911	2,369,000	51,738	21.8	5,315	102.7	1,583	29.7	27,185	11.5	296	572.1	18,780	7.9	1,288	.5
1912	2,398,000	53,420	22.3	5,084	95.2	1,699	30.8	27,000	11.3	237	443.7	20,125	8.4	1,615	.7
1913	2,428,000	54,375	22.4	5,273	96.9	1,610	28.8	27,856	11.5	255	469.0	21,052	8.7	1,391	.6
1914	2,458,000	58,163	23.7	4,804	82.6	1,695	28.3	27,372	11.1	307	527.8	17,245	7.0	1,596	.6
1915	2,489,000	58,014	23.3	4,520	77.9	1,711	28.6	26,676	10.7	291	501.6	17,833	7.2	1,721	.7
1916	2,520,000	59,459	23.6	5,090	85.6	1,647	27.0	29,769	11.8	327	550.0	18,526	7.4	1,775	.7
1917	2,551,000	59,013	23.1	4,597	77.9	1,595	26.3	29,121	11.4	334	566.0	19,524	7.7	1,707	.7
1918	2,583,000	60,649	23.5	4,810	79.3	1,786	28.6	35,214	13.6	311	512.8	11,890	4.6	1,585	.6
1919	2,615,000	55,099	21.1	4,362	79.2	1,531	27.0	28,200	10.8	256	464.6	18,953	7.2	1,865	.7
1920	2,648,000	59,269	22.4	4,566	77.0	1,673	27.5	29,859	11.3	338	570.3	22,293	8.4	2,425	.9
1921	2,683,000	62,163	23.2	4,473	71.9	1,813	28.3	27,674	10.3	352	566.3	18,759	7.0	2,112	.8
1922	2,715,000	58,635	21.4	4,118	70.2	1,762	29.2	27,440	10.1	318	542.3	17,550	6.5	2,089	.8
1923	2,745,000	59,401	21.6	4,153	69.9	1,675	27.4	29,336	10.7	318	535.3	17,758	6.5	2,210	.8
1924	2,775,000	59,963	21.6	3,819	63.7	1,741	28.2	28,205	10.2	361	602.0	16,140	5.8	2,378	.9
1925	2,805,000	58,024	20.7	3,861	66.5	1,712	28.7	29,380	10.5	294	506.7	16,385	5.8	2,467	.9
1926	2,835,000	57,373	20.2	3,841	66.9	1,551	26.3	30,232	10.7	347	604.8	17,025	6.0	2,457	.9
1927	2,864,000	57,320	20.0	3,434	59.9	1,610	27.3	29,665	10.4	309	539.1	16,833	5.9	3,240	.9
1928	2,892,000	57,913	20.0	3,507	60.5	1,626	27.3	31,774	11.0	331	571.5	16,717	5.8	2,714	.9
1929	2,920,000	55,619	19.1	3,324	59.8	1,604	28.0	31,284	10.7	278	499.8	18,058	6.2	2,725	.9
1930	2,947,000	56,643	19.2	3,149	55.6	1,683	28.9	30,488	10.4	298	526.1	15,328	5.2	2,553	.9
1931	2,972,000	54,421	18.3	2,884	52.9	1,512	27.0	30,202	10.2	238	437.3	14,954	5.1	2,702	.9
1932	2,992,000	53,326	17.8	2,670	50.1	1,463	26.7	30,294	10.1	225	421.9	14,034	4.7	2,404	.8
1933	3,009,000	50,450	16.8	2,444	48.4	1,440	27.8	29,475	9.8	236	467.8	15,962	5.3	2,479	.8
1934	3,028,000	51,461 ^a	17.0	2,539 ^a	49.3	1,300 ^a	24.6	30,164 ^a	10.0	215 ^a	417.8	20,074	6.6	3,231	1.1
1935	3,048,000	52,402	17.2	2,413	46.0	1,257	23.4	30,404	10.0	193	368.3	21,075	6.9	3,543	1.2
1936	3,063,000	52,429	17.1	2,509	47.9	1,271	23.7	32,926	10.8	206	392.9	22,666	7.4	3,741	1.2
1937	3,078,000	53,504	17.4	2,329	43.5	1,254	22.9	31,733	10.3	188	351.4	23,285	7.6	3,999	1.3
1938	3,099,000	54,746	17.7	2,308	42.2	1,250	22.3	30,385	9.8	163	297.7	20,732	6.7	3,568	1.2
1939	3,121,000	54,187	17.4	2,172	40.1	1,180	21.3	31,404	10.1	153	282.3	21,276	6.8	3,673	1.2
1940	3,138,000	56,324 ^c	17.9	2,030	36.0	1,209	21.0	31,457	10.0	151	268.1	23,379	7.5	3,599	1.1
1941	3,140,000	58,043	18.5 ^b	1,922	34.3	1,140	19.3	30,445	9.7	137	236.0	28,816	9.2	4,050	1.3
1942	3,053,000	64,504	21.2	2,030	31.5	1,366	20.7	30,639	10.0	109	169.0	24,860	8.1	3,905	1.3
1943	3,014,000	65,404	22.1	2,224	34.0	1,306	19.6	32,323	10.7	126	192.6	22,393	7.4	4,469	1.5
1944	2,980,000	61,928	21.1	1,950	31.5	1,183	18.7	31,373	10.5	113	182.5	21,190	7.1	5,326	1.8
1945	2,961,000	61,577	20.9	1,890	30.7	1,141	18.2	31,776	10.7	81	131.5	25,269	8.5	6,393	2.2
1946	3,167,000	74,868	23.7	2,235	29.9	1,300	17.1	31,965	10.1	101	134.9	38,964	12.3	8,197	2.6
1947	3,250,000	84,562	26.0	2,470	29.2	1,410	16.4	33,078	10.2	87	102.9	35,555	10.9	5,877	1.8
1948	3,314,000	81,814	24.8	2,147	26.2	1,357	16.3	32,535	9.8	83	101.4	32,579	9.8	5,075	1.5
1949	3,391,000	83,183	24.5	2,193	26.4	1,274	15.1	32,876	9.7	47	56.5	27,782	8.2	4,815	1.4
1950	3,449,000	82,364	23.9	2,098	25.5	1,241	14.8	33,573	9.7	35	42.5	29,081	8.4	4,845	1.4
1951	3,437,000	87,819	25.6	2,182	24.8	1,343	15.1	33,397	9.7	42	47.8	27,133	7.9	4,473	1.3
1952	3,463,000	88,941	25.7	2,160	24.3	1,267	14.0	33,887	9.8	42	47.2	24,737	7.1	4,847	1.4
1953	3,502,000	88,408	25.2	2,069	23.4	1,251	14.0	34,839	9.9	38	43.0	25,469	7.3	5,011	1.4
1954	3,599,000	91,570	25.4	2,002	21.9	1,216	13.1	33,709	9.4	34	37.1	24,921	6.9	4,887	1.4
1955	3,666,000	92,333	25.2	2,175	23.6	1,233	13.2	35,250	9.6	22	23.8	25,543	7.0	4,720	1.3
1956	3,740,000	93,496	25.0	2,133	22.8	1,235	13.0	35,498	9.5	20	21.4	26,833	7.2	4,488	1.2
1957	3,802,000	96,398	25.4	2,145	22.3	1,278	13.1	37,185	9.8	35	36.3	25,723	6.8	4,336	1.1
1958	3,863,000	95,950	24.8	2,250	23.4	1,246	12.8	37,457	9.7	29	30.2	24,985	6.5	4,499	1.2
1959	3,915,000	98,518	25.2	2,295	23.3	1,222	12.3	37,166	9.5	34	34.5	25,637	6.5	4,657	1.2
1960 ^f	3,967,000	99,493	25.1	2,173	21.8	1,341	13.3	38,121	9.6	27	27.1	24,573	6.2	3,672 ^e	.9
1961	4,014,000	98,435	24.5	2,235	22.7	1,243	12.5	37,325	9.3	27	27.4	24,232	6.0	4,300	1.1
1962	4,043,000	94,497	23.4	1,929	20.4	1,114	11.7	38,332	9.5	26	27.5	24,114	6.0	4,347	1.1
1963	4,086,000	91,605	22.4	2,060	22.5	1,184	12.8	39,676	9.7	20	21.8	25,678	6.3	4,918	1.2
1964	4,151,000	88,910	21.4	1,848	20.8	1,112	12.4	38,872	9.4	16	18.0	26,832	6.5	5,214	1.3
1965	4,212,000	82,919	19.7	1,829	22.1	1,042	12.4	40,146	9.5	13	15.7	28,410	6.7	5,232	1.2
1966	4,262,000	80,412	18.9	1,640	20.4	958	11.8	40,336	9.5	21	26.1	28,473	6.7	5,293	1.2
1967	4,303,000	75,797	17.6	1,484	19.6	867	11.3	39,654	9.2	9	11.9	30,480	7.1	6,105	1.4
1968	4,332,000	74,257	17.1	1,453	19.6	838	11.2	41,323	9.5	9	12.1	33,019	7.6	7,260	1.7
1969	4,381,000	74,324	17.0	1,281	17.2	872	11.6	41,072	9.4	15	20.2	34,402	7.9	7,832	1.8
1970	4,427,000	77,455	17.5	1,308	16.9	817	10.4	40,820	9.2	6	7.7	34,415	7.8	8,930	2.0
1971	4,473,000	71,976	16.1	1,157	16.1	767	10.5	40,380	9.0	10	13.9	34,858	7.8	8,927	2.0
1972	4,526,000	64,719	14.3	984	15.2	680	10.4	42,074	9.3	9	13.9	38,608	8.5	10,492	2.3
1973	4,539,000	62,796	13.8	900	14.3	590	9.3	41,293	9.1	7	11.1	40,098	8.8	11,595	2.6
1974	4,565,000	65,150	14.3	898	13.8	579	8.8	40,811	8.9	3	4.6	38,248	8.4	12,470	2.7
1975	4,589,000	65,145	14.2	881	13.5	530	8.1	39,916	8.7	3	4.6	35,888	7.8	13,187	2.9
1976	4,609,000	65,042	14.1	818	12.6	540	8.2	40,191	8.7	6	9.1	36,024	7.8	14,579	3.2
1977	4,651,000	68,548	14.7	774	11.3	478	6.9	39,325	8.5	7	10.1	37,430	8.0	14,792	3.2

*See "Notes Pertaining to Table 7" Roman I-a and d for residency status.

Table 8
LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1977

P. 1 of 5 pages

(Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1977 Rate**	Five year average rate**
<u>All Ages - Total</u>					
Total, all causes		39,325	100.0	846.6	878.3
Diseases of the heart	393-398,402,404,410-429	15,676	39.9	337.5	353.6
Cancer	140-209	8,124	20.7	174.9	169.1
Cerebrovascular disease (stroke)	430-438	4,050	10.3	87.2	95.7
Accidents	800-949	1,882	4.8	40.5	44.1
Influenza and pneumonia	470-486	1,063	2.7	22.9	25.8
Other diseases of circulatory system	441-458	919	2.3	19.8	21.0
General arteriosclerosis	440	723	1.8	15.6	16.7
Diabetes mellitus	250	703	1.8	15.1	16.6
Suicide	950-959	591	1.5	12.7	12.2
Cirrhosis of liver	571	475	1.2	10.2	11.4
Certain diseases of early infancy	760-779	330	0.8	7.1	9.3
<u>All Ages - Males</u>					
Total, all causes		21,597	100.0	947.7	990.8
Diseases of the heart	393-398,402,404,410-429	8,745	40.5	383.7	407.7
Cancer	140-209	4,384	20.3	192.4	185.2
Cerebrovascular disease (stroke)	430-438	1,794	8.3	78.7	86.5
Accidents	800-949	1,332	6.2	58.4	62.5
Influenza and pneumonia	470-486	574	2.7	25.2	29.8
Other diseases of circulatory system	441-458	497	2.3	21.8	24.1
Suicide	950-959	426	2.0	18.7	18.0
General arteriosclerosis	440	321	1.5	14.1	14.4
Cirrhosis of liver	571	312	1.4	13.7	15.1
Diabetes mellitus	250	292	1.4	12.8	14.8
Certain diseases of early infancy	760-779	197	0.9	8.6	11.0
<u>All Ages - Females</u>					
Total, all causes		17,728***	100.0	749.3	769.6
Diseases of the heart	393-398,402,404,410-429	6,931	39.1	292.9	301.4
Cancer	140-209	3,740	21.1	158.1	153.5
Cerebrovascular disease (stroke)	430-438	2,256	12.7	95.4	104.5
Accidents	800-949	550	3.1	23.2	26.4
Influenza and pneumonia	470-486	489	2.8	20.7	21.9
Other diseases of circulatory system	441-458	422	2.4	17.8	18.0
Diabetes	250	411	2.3	17.4	18.3
General arteriosclerosis	440	402	2.3	17.0	19.0
Suicide	950-959	165	0.9	7.0	6.5
Cirrhosis of liver	571	163	0.9	6.9	7.7
Congenital anomalies	740-759	138	0.8	5.8	5.9

*Percents calculated on basis of less than 100 deaths give an exaggerated impression of the numbers involved and are subject to large random error.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

***Three unknown, included in total.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1977

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(Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1977 Rate**	Five year average rate**
<u>Under 1 year - Males</u>					
All causes		451	100.0	1,326.5	1,562.5
Congenital anomalies	740-759	97	21.5	285.3	300.0
Immaturity	777	36	8.0	105.9	134.4
Asphyxia and atelectosis	776.9	26	5.8	76.5	100.0
Pneumonia	480-486	20	4.4	58.8	
Birth injury	764-768: .0-.3, 772	14			65.6
Accidents	800-949	10			
<u>Under 1 year - Females</u>					
All causes		323	100.0	1,009.4	1,154.8
Congenital anomalies	740-759	84	26.0	262.5	264.5
Immaturity	777	24	7.4	75.0	96.8
Asphyxia and atelectosis	776.9	17			71.0
Birth injury	764-768: .0-.3, 772	11			
Pneumonia	480-486	9			
<u>1-4 years - Males</u>					
All Causes		99	100.0	76.2	69.2
Accidents	800-949	23		17.7	27.1
Cancer	140-209	11			
Congenital anomalies	740-759	10			
<u>1-4 years - Females</u>					
All causes		76	100.0	61.3	57.1
Accidents	800-949	16			19.8
Congenital anomalies	740-759	15			
Cancer	140-209	8			
<u>5-9 years - Males</u>					
All causes		75	100.0	40.8	37.3
Accidents	800-949	39		21.2	19.9
Cancer	140-209	11			
<u>5-9 years - Females</u>					
All causes		32	100.0	18.0	25.8
Accidents	800-949	20		11.2	11.9
<u>10-14 years - Males</u>					
All causes		90	100.0	41.9	46.2
Accidents	800-949	47		21.9	28.2
Cancer	140-209	17			
Congenital anomalies	740-759	5			
<u>10-14 years - Females</u>					
All causes		35	100.0	17.0	22.9
Accidents	800-949	17			10.6
Cancer	140-209	6			

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**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1977

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(Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1977 Rate**	Five year average rate**
<u>15-24 years - Males</u>					
All causes		648	100.0	140.6	151.8
Accidents	800-949	401	61.9	87.0	96.1
Suicide	950-959	105	16.2	22.8	19.5
Cancer	140-209	48	7.4	10.4	9.9
Homicide	960-969	22	3.4	4.8	5.7
Diseases of the heart	393-398,402,404,410-429	5			
<u>15-24 years - Females</u>					
All causes		219	100.0	47.4	50.3
Accidents	800-949	105	47.9	22.7	24.1
Suicide	950-959	33	15.1	7.1	4.6
Cancer	140-209	16			4.8
Homicide	960-969	15			
<u>25-34 years - Males</u>					
All causes		441	100.0	124.6	148.0
Accidents	800-949	185	42.0	52.3	60.5
Suicide	950-959	78	17.7	22.0	23.7
Cancer	140-209	41	9.3	11.6	15.1
Diseases of the heart	393-398,402,404,410-429	33	7.5	9.3	9.9
Homicide	960-969	22	5.0	6.2	8.6
Cerebrovascular disease	430-438	9			
<u>25-34 years - Females</u>					
All causes		245	100.0	70.6	68.6
Accidents	800-949	59	24.1	17.0	16.4
Cancer	140-209	54	22.0	15.6	14.0
Suicide	950-959	32	13.1	9.2	8.4
Diseases of the heart	393-398,402,404,410-429	15			
Homicide	960-969	14			
Cerebrovascular disease	430-438	10			
<u>35-44 years - Males</u>					
All causes		522	100.0	236.2	245.5
Diseases of the heart	393-398,402,404,410-429	136	26.1	61.5	66.0
Accidents	800-949	101	19.3	45.7	46.0
Cancer	140-209	84	16.1	38.0	39.6
Suicide	950-959	48	9.2	21.7	20.9
Cirrhosis of liver	571	25	4.8	11.3	11.9
Cerebrovascular disease	430-438	22	4.2	10.0	10.6
Homicide	960-969	8			
<u>35-44 years - Females</u>					
All causes		308	100.0	136.3	152.3
Cancer	140-209	124	40.3	54.9	48.5
Accidents	800-949	33	10.7	14.6	16.3
Diseases of the heart	393-398,402,404,410-429	32	10.4	14.2	17.6
Suicide	950-959	22	7.1	9.7	10.9
Cerebrovascular disease	430-438	20	6.5	8.8	11.3
Cirrhosis of liver	571	12			

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**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1977

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(Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1977 Rate**	Five year average rate**
<u>45-54 years - Males</u>					
All causes		1,451	100.0	612.2	686.1
Diseases of the heart	393-398,402,404,410-429	574	39.6	242.2	280.9
Cancer	140-209	356	24.5	150.2	157.8
Accidents	800-949	112	7.7	47.3	47.8
Cirrhosis of liver	571	67	4.6	28.3	33.9
Suicide	950-959	50	3.4	21.1	27.4
Cerebrovascular disease	430-438	48	3.3	20.3	33.9
<u>45-54 years - Females</u>					
All causes		890	100.0	357.4	376.3
Cancer	140-209	405	45.5	162.7	159.8
Diseases of the heart	393-398,402,404,410-429	158	17.8	63.5	65.6
Cerebrovascular disease	430-438	52	5.8	20.9	27.0
Accidents	800-949	38	4.3	15.3	17.4
Suicide	950-959	37	4.2	14.9	12.9
Cirrhosis of liver	571	34	3.8	13.7	18.7
<u>55-64 years - Males</u>					
All causes		3,457	100.0	1,630.7	1,733.1
Diseases of the heart	393-398,402,404,410-429	1,488	43.0	701.9	763.5
Cancer	140-209	926	26.8	436.8	438.0
Cerebrovascular disease	430-438	170	4.9	80.2	93.8
Accidents	800-949	126	3.6	59.4	60.1
Cirrhosis of liver	571	111	3.2	52.4	54.8
Other diseases of circulatory system	441-458	80	2.3	37.7	38.9
Suicide	950-959	72	2.1	34.0	29.8
<u>55-64 years - Females</u>					
All causes		1,932	100.0	832.8	865.3
Cancer	140-209	806	41.7	347.4	339.6
Diseases of the heart	393-398,402,404,410-429	525	27.2	226.3	246.7
Cerebrovascular disease	430-438	107	5.5	46.1	62.7
Cirrhosis of liver	571	56	2.9	24.1	24.4
Diabetes mellitus	250	53	2.7	22.8	23.6
Accidents	800-949	45	2.3	19.4	20.9
Other diseases of circulatory system	441-458	42	2.2	18.1	17.8
<u>65-69 years - Males</u>					
All causes		2,655	100.0	3,017.0	3,338.3
Diseases of the heart	393-398,402,404,410-429	1,216	45.8	1,381.8	1,513.6
Cancer	140-209	676	25.5	768.2	798.8
Cerebrovascular disease	430-438	181	6.8	205.7	237.0
Other diseases of circulatory system	441-458	78	2.9	88.6	106.2
Accidents	800-949	60	2.3	68.2	75.3
Cirrhosis of liver	571	47	1.8	53.4	66.7
<u>65-69 years - Females</u>					
All causes		1,547	100.0	1,501.9	1,594.8
Diseases of the heart	393-398,402,404,410-429	545	35.2	529.1	582.5
Cancer	140-209	509	32.9	494.2	499.0
Cerebrovascular disease	430-438	129	8.3	125.2	152.6
Other diseases of circulatory system	441-458	46	3.0	44.7	46.4
Diabetes mellitus	250	37	2.4	35.9	50.5
Accidents	800-949	36	2.3	35.0	29.9
<u>70-74 years - Males</u>					
All causes		2,952	100.0	4,920.0	5,347.4
Diseases of the heart	393-398,402,404,410-429	1,310	44.4	2,183.3	1,922.8
Cancer	140-209	718	24.3	1,196.7	1,196.5
Cerebrovascular disease	430-438	237	8.0	395.0	507.0
Other diseases of circulatory system	441-458	81	2.7	135.0	157.9
Influenza and pneumonia	470-486	61	2.1	101.7	128.1
Accidents	800-949	57	1.9	95.0	100.0

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Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1977

P. 5 of 5 pages

(Resident Data)

Cause of Death	I.C.D.A.	Number of Deaths	Percent of deaths in this category*	1977 Rate**	Five year average rate**
<u>70-74 years - Females</u>					
All causes		1,935	100.0	2,580.0	2,754.8
Diseases of the heart	393-398,402,404,410-429	823	42.5	1,097.3	1,161.6
Cancer	140-209	458	23.7	610.7	665.8
Cerebrovascular disease	430-438	237	12.2	316.0	349.3
Diabetes mellitus	250	72	3.7	96.0	98.6
Other diseases of circulatory system	441-458	50	2.6	66.7	67.1
Influenza and pneumonia	470-486	29	1.5	38.7	49.3
<u>75-79 years - Males</u>					
All causes		3,026	100.0	7,380.5	7,842.5
Diseases of the heart	393-398,402,404,410-429	1,342	44.3	3,273.2	3,575.0
Cancer	140-209	632	20.9	1,541.5	1,455.0
Cerebrovascular disease	430-438	334	11.0	814.6	947.5
Other diseases of circulatory system	441-458	89	2.9	217.1	217.5
Influenza and pneumonia	470-486	81	2.7	197.6	272.5
Accidents	800-949	54	1.8	131.7	135.0
<u>75-79 years - Females</u>					
All causes		2,514	100.0	4,489.3	4,782.1
Diseases of the heart	393-398,402,404,410-429	1,180	46.9	2,107.1	2,166.1
Cancer	140-209	457	18.2	816.1	862.5
Cerebrovascular disease	430-438	374	14.9	667.9	760.7
Influenza and pneumonia	470-486	64	2.5	114.3	121.4
Other diseases of circulatory system	441-458	59	2.3	105.4	121.4
Diabetes mellitus	250	51	2.0	91.1	132.1
<u>80-84 years - Males</u>					
All causes		2,776	100.0	11,104.0	11,584.0
Diseases of the heart	393-398,402,404,410-429	1,257	45.2	5,028.0	5,388.0
Cancer	140-209	480	17.3	1,920.0	1,808.0
Cerebrovascular disease	430-438	375	13.5	1,500.0	1,476.0
Influenza and pneumonia	470-486	110	4.0	440.0	524.0
Other diseases of circulatory system	441-458	76	2.7	304.0	316.0
General arteriosclerosis	440	66	2.4	264.0	324.0
<u>80-84 years - Females</u>					
All causes		3,000	100.0	7,500.0	8,107.9
Diseases of the heart	393-398,402,404,410-429	1,394	46.5	3,485.0	3,776.3
Cerebrovascular disease	430-438	490	16.3	1,225.0	1,450.0
Cancer	140-209	475	15.8	1,187.5	1,107.9
Influenza and pneumonia	470-486	92	3.1	230.0	257.9
General arteriosclerosis	440	82	2.7	205.0	255.3
Other diseases of circulatory system	441-458	69	2.3	172.5	189.5
<u>85 years and over - Males</u>					
All causes		2,954	100.0	17,376.5	18,043.8
Diseases of the heart	393-398,402,404,410-429	1,366	46.2	8,035.3	8,612.5
Cerebrovascular disease	430-438	413	14.0	2,429.4	2,593.8
Cancer	140-209	382	12.9	2,247.1	1,987.5
Influenza and pneumonia	470-486	169	5.7	994.1	1,043.8
General arteriosclerosis	440	144	4.9	847.1	862.5
<u>85 years and over - Females</u>					
All causes		4,669	100.0	12,969.4	14,836.7
Diseases of the heart	393-398,402,404,410-429	2,240	48.0	6,222.2	7,300.0
Cerebrovascular disease	430-438	831	17.8	2,308.3	2,676.7
Cancer	140-209	420	9.0	1,166.7	1,233.3
General arteriosclerosis	440	244	5.2	677.8	853.3
Influenza and pneumonia	470-486	224	4.8	622.2	696.7

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**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 9
LIVE BIRTHS BY COUNTY
Wisconsin, 1968-1972 and 1973-1977

County	(Resident Data)										Five year average 1973-1977	Five year rate		
	1968	1969	1970	1971	1972	Five year average 1968-1972	Five year rate	1973	1974	1975			1976	1977
Total.....	74,257*	74,324	77,455	71,976	64,719	72,546	16.4	62,796	65,150*	65,145	65,042	68,548	65,336	14.2
Adams.....	116	126	139	136	131	130	14.0	142	128	145	140	127	136	11.9
Ashland.....	261	261	252	230	242	249	14.8	206	211	216	228	247	222	13.2
Barron.....	485	500	571	566	498	524	15.4	474	473	504	529	578	512	13.9
Bayfield.....	163	185	164	159	141	162	13.8	134	153	150	174	182	159	12.7
Brown.....	2,864	2,897	3,112	2,862	2,524	2,852	18.0	2,424	2,645	2,600	2,622	2,715	2,601	15.2
Buffalo.....	230	195	234	235	179	215	15.6	188	197	162	203	217	193	13.8
Burnett.....	113	137	130	127	125	126	13.6	128	118	133	157	151	137	12.7
Calumet.....	554	516	559	477	472	516	18.7	447	484	445	453	489	464	16.1
Chippewa.....	868	896	926	812	771	855	17.9	776	746	734	780	797	767	15.5
Clark.....	458	498	509	524	429	484	15.9	432	497	508	478	547	492	15.3
Columbia.....	607	661	675	626	547	623	15.5	584	584	566	549	590	569	13.4
Crawford.....	277	219	239	245	235	243	15.9	219	228	229	229	268	235	14.6
Dane.....	5,054	5,310	5,358	4,750	4,146	4,924	16.9	3,871	3,970	3,963	3,912	4,242	3,992	13.2
Dodge.....	1,117	1,084	1,199	1,118	1,002	1,104	16.0	970	1,034	1,034	1,015	1,112	1,033	14.2
Door.....	293	285	268	252	273	274	13.6	281	298	334	332	411	331	14.7
Douglas.....	644	683	706	723	725	696	15.6	594	650	627	689	606	633	14.1
Dunn.....	377	428	465	465	448	437	15.0	380	433	396	420	460	418	13.2
Eau Claire.....	1,145	1,136	1,172	1,157	1,014	1,125	16.7	944	972	935	959	1,039	970	13.4
Florence.....	37	50	46	43	46	44	13.3	46	43	31	47	63	46	13.1
Fond du Lac.....	1,447	1,423	1,499	1,344	1,258	1,394	16.4	1,279	1,308	1,258	1,311	1,413	1,314	15.0
Forest.....	126	125	123	136	129	128	16.6	124	122	108	127	141	124	15.1
Grant.....	823	817	860	758	741	800	16.5	738	748	781	821	839	785	15.8
Green.....	401	442	457	462	412	435	16.2	406	426	447	440	425	429	14.9
Green Lake.....	240	261	284	271	240	259	15.3	250	224	251	263	218	241	13.9
Iowa.....	348	314	317	323	294	319	16.5	256	282	295	291	325	290	14.9
Iron.....	49	73	80	83	72	71	10.8	80	72	78	78	84	78	11.6
Jackson.....	198	230	280	268	232	242	15.8	221	226	208	216	284	231	14.6
Jefferson.....	959	932	1,014	968	904	955	15.9	839	964	909	885	948	909	14.2
Juneau.....	274	282	289	312	304	292	15.8	264	288	272	278	328	286	15.1
Kenosha.....	1,980	1,945	2,108	1,918	1,752	1,941	16.4	1,662	1,750	1,766	1,679	1,767	1,724	13.9
Kewaunee.....	328	288	287	322	283	302	15.9	267	308	271	299	282	285	14.4
La Crosse.....	1,373	1,342	1,422	1,311	1,115	1,313	16.3	1,094	1,110	1,121	1,119	1,195	1,128	13.0
Lafayette.....	253	276	290	301	236	271	15.5	251	278	267	303	291	278	15.5
Langlade.....	292	311	281	305	271	292	15.2	257	276	290	273	305	280	14.1
Lincoln.....	361	359	411	367	371	374	15.9	373	342	320	311	396	348	13.8
Manitowoc.....	1,359	1,300	1,398	1,276	1,077	1,282	15.5	1,134	1,108	1,138	1,209	1,195	1,157	14.0
Marathon.....	1,573	1,673	1,728	1,704	1,471	1,630	16.7	1,550	1,688	1,618	1,675	1,752	1,657	15.9

*Two live births, county unknown in 1968 and 1 live birth, county unknown in 1974 are included in totals only.

Table 9 (Cont.)
LIVE BIRTHS BY COUNTY
Wisconsin, 1968-1972 and 1973-1977

County	(Resident Data)													
	1968	1969	1970	1971	1972	Five year average 1968-1972	Five year rate	1973	1974	1975	1976	1977	Five year average 1973-1977	Five year rate
Marquette.....	478	500	460	504	450	478	13.3	449	470	501	500	571	498	13.2
Marquette.....	112	106	129	122	134	121	13.6	107	141	152	124	168	138	13.3
Menominee.....	87	73	82	73	70	77	29.5	72	56	64	76	83	70	25.0
Milwaukee.....	19,123	18,630	19,222	17,719	15,538	18,046	17.1	14,862	14,893	14,891	14,450	14,898	14,799	14.6
Monroe.....	493	517	515	523	482	506	16.0	451	467	482	481	491	474	14.2
Oconto.....	350	355	391	380	391	373	14.6	356	378	413	428	410	397	14.5
Oneida.....	316	359	376	377	342	354	14.5	322	337	384	378	396	363	12.8
Outagamie.....	2,273	2,134	2,283	2,010	1,737	2,087	17.4	1,733	1,950	2,009	1,942	2,058	1,938	15.4
Ozaukee.....	833	865	867	885	810	852	15.6	727	818	843	820	978	837	13.0
Pepin.....	115	103	130	122	97	113	15.4	100	98	111	109	108	105	13.8
Pierce.....	395	454	486	497	471	461	17.3	438	434	428	425	452	436	15.0
Polk.....	378	369	435	461	410	411	15.4	415	443	458	430	434	436	14.4
Portage.....	744	846	837	790	703	784	16.5	752	763	764	781	831	778	14.9
Price.....	203	205	218	207	220	211	14.5	211	215	206	215	227	215	13.5
Racine.....	3,074	2,932	3,034	2,818	2,473	2,866	16.7	2,376	2,633	2,587	2,563	2,620	2,556	14.4
Richland.....	272	264	280	262	221	260	15.2	222	227	267	210	257	237	14.1
Rock.....	2,526	2,453	2,517	2,299	2,014	2,362	17.9	1,977	2,050	1,964	2,003	2,005	2,000	14.8
Rusk.....	214	222	235	230	212	223	15.6	195	228	221	251	239	227	14.8
St. Croix.....	598	626	664	620	586	619	18.0	587	636	639	632	700	639	16.5
Sauk.....	646	702	727	650	624	670	17.1	572	621	625	597	606	604	14.8
Sawyer.....	144	143	143	157	144	146	15.1	148	157	158	161	157	156	13.7
Shawano.....	511	487	490	446	509	489	14.9	478	495	475	438	478	473	13.6
Sheboygan.....	1,487	1,556	1,666	1,450	1,373	1,506	15.5	1,452	1,481	1,436	1,502	1,505	1,475	14.7
Taylor.....	303	304	251	316	282	291	17.1	259	289	293	308	321	294	15.9
Trempealeau.....	406	416	414	397	356	398	17.0	339	351	347	338	357	346	14.2
Vernon.....	320	329	378	350	347	345	14.0	331	335	291	345	340	328	13.0
Vilas.....	110	131	150	144	137	134	12.2	178	143	139	156	190	161	12.0
Walworth.....	899	955	1,009	903	812	916	14.4	829	784	804	853	991	852	13.0
Washburn.....	132	121	164	158	150	145	13.6	164	146	190	170	195	173	13.8
Washington.....	1,161	1,144	1,236	1,100	1,026	1,133	17.7	1,175	1,195	1,197	1,226	1,318	1,222	16.0
Waukesha.....	3,531	3,522	3,647	3,232	2,953	3,377	14.6	2,965	3,100	3,250	3,232	3,507	3,211	12.6
Waupaca.....	489	577	583	640	523	562	14.8	568	524	568	551	598	562	13.7
Waushara.....	216	204	235	225	208	218	14.7	211	188	235	223	263	224	13.9
Winnebago.....	2,055	2,064	2,157	1,884	1,784	1,989	15.3	1,576	1,730	1,681	1,627	1,650	1,653	12.6
Wood.....	1,214	1,196	1,192	1,089	1,020	1,142	17.4	943	989	962	999	1,117	1,002	14.7

Table 9 (Cont.)

DEATHS BY COUNTY
Wisconsin, 1968-1972 and 1973-1977

County	(Resident Data)										Five year average 1973-1977	Five year rate		
	1968	1969	1970	1971	1972	Five year average 1968-1972	Five year rate	1973	1974	1975			1976	1977
Total.....	41,331	41,084	40,827	40,393	42,074	41,142	9.3	41,293	40,811*	39,916**	40,191***	39,325	40,307	8.8
Adams.....	120	128	122	123	149	128	13.8	123	144	154	154	134	142	12.5
Ashland.....	235	233	216	212	212	222	13.2	205	240	213	248	228	227	13.5
Barron.....	404	407	385	426	450	414	12.2	453	416	394	394	383	408	11.1
Bayfield.....	162	159	176	178	161	167	14.3	161	168	138	146	165	156	12.5
Brown.....	1,134	1,138	1,115	1,179	1,192	1,152	7.3	1,176	1,142	1,112	1,236	1,129	1,159	6.8
Buffalo.....	155	142	147	147	149	148	10.7	149	124	147	158	146	145	10.4
Burnett.....	121	132	150	142	153	140	15.1	142	165	148	132	128	143	13.2
Calumet.....	223	181	217	185	226	206	7.4	210	226	180	193	210	204	7.1
Chippewa.....	478	454	457	461	433	457	9.6	393	437	437	451	448	433	8.7
Clark.....	320	327	348	329	359	337	11.1	333	339	309	328	317	325	10.1
Columbia.....	454	437	443	430	470	447	11.1	452	494	443	459	423	454	10.7
Crawford.....	173	191	160	180	176	176	11.5	156	170	183	169	163	168	10.4
Dane.....	1,861	1,957	1,885	1,856	1,837	1,879	6.5	1,912	1,894	1,825	1,872	1,788	1,858	6.1
Dodge.....	665	684	682	667	699	679	9.8	693	704	676	668	679	684	9.4
Door.....	246	247	244	266	263	253	12.6	285	255	254	230	272	259	11.5
Douglas.....	554	561	549	535	595	559	12.5	513	538	490	523	423	497	11.0
Dunn.....	257	262	284	286	291	276	9.4	284	269	279	293	226	270	8.5
Eau Claire.....	645	662	558	657	620	628	9.3	562	599	607	600	620	597	8.2
Florence.....	38	38	38	40	39	39	11.8	41	45	42	54	48	46	13.1
Fond du Lac.....	858	842	828	713	869	822	9.7	823	815	786	769	791	797	9.1
Forest.....	88	119	101	97	111	103	13.4	87	83	96	92	115	95	11.6
Grant.....	506	522	504	482	470	497	10.2	466	459	425	490	469	462	9.3
Green.....	305	299	300	280	329	303	11.3	307	311	284	282	309	298	10.3
Green Lake.....	194	217	216	229	213	214	12.7	209	211	205	190	231	209	12.0
Iowa.....	250	221	240	269	246	245	12.7	222	211	205	222	201	212	10.9
Iron.....	96	86	129	76	73	92	14.1	85	98	86	100	101	94	14.0
Jackson.....	178	193	198	173	181	185	12.0	191	193	173	164	206	185	11.7
Jefferson.....	669	599	567	551	552	588	9.8	594	539	558	585	574	570	8.9
Juneau.....	253	230	239	236	252	242	13.1	265	224	218	224	202	227	11.9
Kenosha.....	997	946	1,037	1,003	970	991	8.4	1,055	1,025	1,002	1,008	1,008	1,019	8.2
Kewaunee.....	202	171	186	189	207	191	10.1	219	174	169	173	205	188	9.5
La Crosse.....	749	697	708	740	785	736	9.1	752	775	739	745	749	752	8.7
Lafayette.....	187	211	201	179	196	195	11.1	205	171	163	173	156	174	9.7
Langlade.....	236	220	253	241	252	240	12.5	213	212	208	184	201	204	10.3
Lincoln.....	288	302	245	278	307	284	12.1	286	303	255	265	280	278	11.0
Manitowoc.....	794	786	754	802	822	792	9.6	812	831	755	737	704	764	9.2
Marathon.....	834	830	838	847	844	839	8.6	904	831	752	801	786	814	7.8

* Two deaths, counties unknown in 1974 are included in total only.

** Five deaths, counties unknown in 1975 are included in total only.

*** One death, county unknown in 1976, included in total only.

Table 9 (Cont.)
DEATHS BY COUNTY
Wisconsin, 1968-1972 and 1973-1977

County	(Resident Data)													
	1968	1969	1970	1971	1972	Five year average 1968-1972	Five year rate	1973	1974	1975	1976	1977	Five year average 1973-1977	Five year rate
Marinette.....	461	436	476	409	452	447	12.5	452	416	476	443	450	447	11.8
Marquette.....	123	127	132	128	118	126	14.2	141	127	136	126	128	132	12.7
Menominee.....	16	35	22	42	33	30	11.5	20	30	22	30	31	27	9.6
Milwaukee.....	10,312	10,129	9,894	9,856	10,294	10,097	9.6	10,081	9,838	9,524	9,436	9,045	9,584	9.4
Monroe.....	341	350	327	351	367	347	11.0	322	318	345	310	324	324	9.7
Oconto.....	267	311	305	323	305	302	11.8	330	305	288	320	325	313	11.5
Oneida.....	272	293	293	290	313	292	11.9	291	304	277	290	312	295	10.4
Outagamie.....	822	863	831	862	902	856	7.2	836	942	837	884	924	884	7.0
Ozaukee.....	342	353	344	317	367	345	6.3	385	405	387	371	391	388	6.0
Pepin.....	76	71	79	83	77	77	10.5	85	74	83	72	75	78	10.3
Pierce.....	235	249	257	248	246	247	9.2	236	255	239	249	231	242	8.3
Polk.....	258	281	301	295	290	285	10.7	330	307	339	330	320	331	11.0
Portage.....	384	337	373	381	360	367	7.7	387	363	375	390	375	378	7.2
Price.....	205	185	193	181	205	194	13.3	172	220	209	183	151	187	11.8
Racine.....	1,417	1,402	1,449	1,368	1,396	1,406	8.2	1,376	1,380	1,366	1,373	1,343	1,368	7.7
Richland.....	220	200	205	203	191	204	11.9	197	164	211	169	156	179	10.7
Rock.....	1,205	1,226	1,156	1,126	1,258	1,194	9.0	1,199	1,163	1,195	1,185	1,097	1,167	8.7
Rusk.....	158	146	188	152	169	163	11.4	153	165	192	150	140	160	10.5
St. Croix.....	316	304	305	281	304	302	8.8	313	303	292	343	328	316	8.1
Sauk.....	470	455	427	400	454	441	11.3	419	418	430	404	438	422	10.4
Sawyer.....	154	148	139	144	158	149	15.4	167	139	152	151	141	150	13.2
Shawano.....	375	389	386	387	389	385	11.8	369	391	361	403	396	384	11.1
Sheboygan.....	1,042	1,004	991	983	961	996	10.3	978	991	980	929	948	965	9.6
Taylor.....	196	171	170	165	172	175	10.3	162	165	168	162	175	166	9.0
Trempealeau.....	282	327	324	288	326	309	13.2	263	290	277	303	306	288	11.9
Vernon.....	295	311	327	311	305	310	12.6	351	308	307	265	325	311	12.3
Vilas.....	136	168	160	147	155	153	13.9	143	171	164	161	183	164	12.2
Walworth.....	628	633	682	625	724	658	10.3	655	616	666	651	600	638	9.8
Washington.....	458	510	448	476	498	478	14.1	549	504	467	508	548	515	11.9
Waukegan.....	1,461	1,458	1,479	1,409	1,557	1,473	6.4	1,512	1,485	1,500	1,586	1,480	1,513	5.9
Waupaca.....	507	483	443	474	494	480	12.7	483	516	525	545	483	510	12.4
Waushara.....	219	209	211	209	193	208	14.0	240	200	214	191	195	208	12.9
Winnebago.....	1,095	991	1,093	1,113	1,152	1,089	8.4	1,090	1,048	1,110	1,042	1,076	1,073	8.2
Wood.....	506	543	551	541	576	543	8.3	534	522	537	567	510	534	7.8

Natality

NATALITY

Since 1940 fertility patterns of Wisconsin women of childbearing age have shown a double reversal of trend. 1940 was the end of a long period of declining fertility. Thereafter, the fertility rates increased steadily through 1960, especially for women in their twenties. In 1960, we had 13,000 fewer women aged 20-24, for instance, than in 1940, but we had approximately 16,500 more births to this age group, a 98% increase in births.

Text Table 1 summarizes the changing fertility rates of women 20-24 over the past 38 years. From an historic low in 1940 of 128.7 per thousand it rose by 1950 to 208.5, an increase of nearly 80 per thousand. In the fifties it rose another 76 per thousand to 284.0. In the sixties the decline was even more dramatic than the previous increase, 117 per thousand; 1970 to 1977 saw a further decline of 62.1 per thousand.

Text Table 1

FERTILITY RATES FOR WOMEN 20-24
(Births per 1000 Women)
Wisconsin, 1940-1977

Year	Women 20-24	Resident Live Births	Rate per 1000 women
1940	130,594	16,803	128.7
1950	124,815	26,018	208.5
1960	117,347	33,322	284.0
1970	178,952	29,822	166.6
1971	195,000	27,722	142.2
1972	201,000	23,736	118.1
1973	193,000	22,139	114.7
1974	210,000	23,614	112.4
1975	205,000	23,137	112.9
1976	208,000	22,531	108.3
1977	225,000	23,516	104.5

The change since 1960 has shown a dramatic reversal to lower fertility rates. The decline in fertility rates by age has ranged from 74% for women 35 years and older to 40% for those under twenty. In 1977, the rates for all ages are now below the 1950 rates, and for women 20 and older the rates are now below the 1940 rates (Text Table 2).

Text Table 2

AGE-SPECIFIC FERTILITY RATES
(Per 1000 Women in Each Age Group)
Wisconsin, 1940-1977

Age Group	Census Year				1975	1976	1977
	1940	1950	1960	1970			
15-19	29.9	48.9	64.4	45.1	38.3	35.7	38.5
20-24	128.7	208.6	284.0	166.6	112.9	108.3	104.5
25-29	131.4	192.3	235.3	161.9	125.1	120.2	117.7
30-34	87.9	121.8	141.0	82.6	62.1	62.4	63.7
35-39	49.2	61.4	75.6	39.7	21.8	19.3	20.9
40-44	17.0	17.7	21.7	11.4	5.2	5.0	5.3
45+	7.4	5.5	5.5	3.1	0.3	0.2	0.2
Total Fertility Rate	2228	3259	4116	2540	1827	1755	1753

The row labelled "Total Fertility Rate" (TFR) summarizes the changes in this measure of fertility. The rate is computed by summing the age-specific rates for all childbearing ages and multiplying by the number of years in the interval (5). It can be interpreted as the number of children that would be born to a cohort of one thousand women if, at all childbearing ages, they bore children at the age-specific rates observed in the reference year. Since, at present death rates and with a sex ratio at birth of 105 males per 100 females, it requires a little over 2,100 births per thousand females to replace themselves in the next generation, the total fertility rate gives us a measure of the fertility growth factor in the population. Thus, as the TFR exceeds 2,100 the next generation will have a larger childbearing population than the present and when the TFR declines below 2,100 for any extended period, the next childbearing generation will be smaller.

In 1940 the TFR for Wisconsin was very close to replacement. By 1950 it had risen by 46% to 3,259, and by 1960 by 85% to 4,116. Had that TFR continued, the childbearing population would have doubled in a single generation. The decline of the TFR in the sixties was greater than the rise in either the forties or the fifties, and the single year decline between 1971 and 1972 shows the most rapid decline of any year for which we have detailed data. The TFR for 1971 is almost as low as the 1940 rate, and the continued decline since 1971 results in a TFR for 1977 that is more than 17% below replacement.

Lest someone leap to conclusions about imminent population decline and the social, economic, and moral tribulations that are thought by some to be the concomitants of such decline, it must be emphasized that:

1. We are a long way from *Zero Population Growth*. To achieve ZPG in the short run we would need either to reduce the birth rate by 42% or increase the death rate by 73% or effect some combination of those changes.
2. Replacement level fertility does not mean *Zero Population Growth*. It only means that should several generations of women maintain their childbearing at that level, the population would eventually stabilize at a size very little larger than it is today, given our present age distribution.
3. The decline during 1970-1977 (see text table 2) may in part be a temporary phenomenon. It is probable that some of the decline represents postponement of births. Whether or not postponed births are ever realized depends on a number of factors including employment opportunities for men and women, cost of living, ideas about ideal family size, and availability of contraception and abortion.

Table 14

LIVE BIRTHS BY COUNTY AND LIVE BIRTHS BY WEDLOCK STATUS
BY RACE AND SEX
Wisconsin, 1977

P. 1 of 2 pages

(Resident Data)

County	Total Live Births		White		Black		Indian		Other		Unknown	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
State Total.....	35,123	33,424	32,695	31,074	1,987	1,901	287	290	139	139	15	20
In Wedlock....	31,098	29,503	29,942	28,433	849	773	156	144	136	134	15	19
Out-of-Wedlock	4,025	3,921	2,753	2,641	1,138	1,128	131	146	3	5		1
Adams.....	66	61	64	59	1	2	1					
Ashland.....	129	118	112	104	1		16	14				
Barron.....	304	274	301	273			2	1	1			
Bayfield.....	91	91	85	83			5	8			1	
Brown.....	1,458	1,257	1,418	1,220	4	6	29	26	7	5		
Buffalo.....	115	102	115	101								1
Burnett.....	74	77	69	71			4	4	1	2		
Calumet.....	262	227	262	226						1		
Chippewa.....	394	403	393	402			1			1		
Clark.....	273	274	272	274			1					
Columbia.....	306	284	306	283		1						
Crawford.....	139	129	137	129					2			
Dane.....	2,128	2,114	2,018	2,011	67	57	4	9	37	37	2	
Dodge.....	563	549	555	546	1		2		4	2	1	1
Door.....	198	213	197	211			1			2		
Douglas.....	311	295	302	291	1		7	3	1			1
Dunn.....	240	220	238	215	2	1		2		2		
Eau Claire.....	534	505	530	500	2	2	2	2		1		
Florence.....	32	31	31	31			1					
Fond du Lac.....	697	716	695	711	2	3		1				1
Forest.....	71	70	60	63			11	7				
Grant.....	424	415	422	411	1					3	1	1
Green.....	205	220	205	220								
Green Lake.....	113	105	113	104				1				
Iowa.....	170	155	169	155	1							
Iron.....	40	44	39	44			1					
Jackson.....	146	138	140	127			6	11				
Jefferson.....	491	457	488	454	1	1			2	2		
Juneau.....	176	152	173	150			3	2				
Kenosha.....	904	863	860	835	39	24	3	2	1	1	1	1
Kewaunee.....	145	137	145	137								
La Crosse.....	599	596	590	590	2	1	4	2	3	3		
Lafayette.....	139	152	139	152								
Langlade.....	143	162	141	159			2	3				
Lincoln.....	197	199	196	199					1			
Manitowoc.....	609	586	602	583	1		4	1	2	2		
Marathon.....	932	820	929	812	1		1	4	1	3		1
Marinette.....	305	266	302	264			2	1	1			1
Marquette.....	90	78	88	78	2							
Menominee.....	42	41	4	5			38	36				
Milwaukee.....	7,560	7,337	5,829	5,625	1,631	1,605	54	64	42	37	4	6
Monroe.....	250	241	248	239		1	1	1	1			
Oconto.....	216	194	214	192			2			2		
Oneida.....	208	188	204	186			2	2	1		1	
Outagamie.....	1,054	1,004	1,031	979		1	19	19	4	5		

One live birth, sex unknown, is not included in this table.

Table 14 (Cont.)

LIVE BIRTHS BY COUNTY AND LIVE BIRTHS BY WEDLOCK STATUS
BY RACE AND SEX
Wisconsin, 1977

P. 2 of 2 pages

(Resident Data)

County	Total Live Births		White		Black		Indian		Other		Unknown	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Ozaukee.....	517	461	510	458	3	2	2		2	1		
Pepin.....	59	49	59	49								
Pierce.....	238	214	236	212	1			2	1			
Polk.....	231	203	230	202			1	1				
Portage.....	444	387	442	384		2	1		1			1
Price.....	120	107	120	107								
Racine.....	1,391	1,229	1,217	1,082	160	143	5		9	4		
Richland.....	115	142	115	142								
Rock.....	1,066	939	1,014	895	48	40	1	2	3	2		
Rusk.....	118	121	118	121								
St. Croix.....	351	349	350	348		1	1					
Sauk.....	308	298	308	295				3				
Sawyer.....	75	82	67	74			8	8				
Shawano.....	231	247	219	226			12	18		3		
Sheboygan.....	782	723	774	716	2	1	2	2	2	2	2	2
Taylor.....	165	156	165	156								
Trempealeau.....	189	168	189	166						2		
Vernon.....	163	177	163	177								
Vilas.....	95	95	84	79			11	16				
Walworth.....	526	465	519	462	3	2	4			1		
Washburn.....	98	97	98	96				1				
Washington.....	680	638	675	636	2		2			1	1	1
Waukesha.....	1,781	1,726	1,770	1,713	5	4	2	1	3	7	1	1
Waupaca.....	302	296	302	295						1		
Waushara.....	122	141	122	141								
Winnebago.....	861	789	850	781	1	1	6	3	4	3		1
Wood.....	552	565	548	557	2			7	2	1		

Infant Data

Table 21
LIVE BIRTHS OF CHILDREN BORN WITH REPORTED CONGENITAL MALFORMATIONS, BY AGE OF MOTHER
Wisconsin, 1977

		(Resident Data)		Age of Mother							
		Total*		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+
	ICDA	Male	Female								
Congenital Malformations											
Anencephalus	740	4	16		2	6	9	2		1	
Spina Bifida	741	12	14		1	8	11	2	4		
Congenital hydrocephalus	742	7	5		3	1	5	2		1	
Other of nervous system	743	4	4		1	2	3	2			
Eye	744	1	1		1	1	1				
Ear, face and neck	745	11	14		6	8	4	6	1		
Heart	746	29	33		10	18	22	10	2		
Circulatory system	747	9	11		1	5	6	6		2	
Respiratory system	748	6	2		3	1	4				
Cleft palate and cleft lip	749	46	30		10	16	34	13	2	1	
Other of upper alimentary canal	750	12	8		3	4	7	5	1		
Other of digestive system	751	18	13		5	13	8	3	2		
Genital organs	752	80	6		15	31	30	8	1	1	
Urinary system	753	15	6		5	5	9	2			
Clubfoot	754	33	47		9	29	30	9	1	2	
Other of limbs	755	63	63		21	43	40	15	6	1	
Other of musculoskeletal system	756	14	14		6	6	7	6	3		
Unspecified of skin, hair and nails	757	20	18		8	12	12	5	1		
Other & unspecified congenital malformations	758	2	5			4	2	1			
Congenital syndromes affecting multiple systems	759	44	32		8	13	23	10	14	7	1
Other											
Total		430	342		118	226	266	107	38	16	1

Birth certificates do not identify all infants with Congenital Malformations because a diagnosis may not have been made prior to completion of the birth certificate.

This table is not strictly comparable to similar tables published for earlier years. The eighth revision of the ICDA, first used for coding in 1968, expanded the number of causes in the general category Congenital Malformations bring within this category causes which had been listed elsewhere in previous revisions. The two causes now included which contribute most to the difference are Club Foot (ICDA number 754) and Downs Syndrome (Mongolism) included under ICDA number 759.

Table 23

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 1 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
State Total.....	68,548	68,379	478	498	39,325	39,357	774	757
Urban.....	46,178	65,228	327	472	27,060	32,783	515	706
Balance of State.....	22,370	3,151	151	26	12,265	6,574	259	51
ADAMS.....	127	107	1	1	134	119	1	
ASHLAND.....	247	362	5	5	228	249	2	
Ashland (C).....	114	360	3	5	139	226		
Balance of County.....	133	2	2		89	23	2	
BARRON.....	578	691	3	4	383	359	9	5
Rice Lake (C).....	114	389		3	98	151	3	3
Balance of County.....	464	302	3	1	285	208	6	2
BAYFIELD.....	182	37		1	165	107	2	1
BROWN.....	2,715	3,471	19	28	1,129	1,411	24	50
Allouez (T).....	173	1	1		69	10	1	
Ashwaubenon (T).....	209		2		53	43	3	
De Pere (C).....	215	3	2		76	24	1	
Green Bay (C).....	1,373	3,453	8	28	708	1,273	12	49
Hobart (T).....	59	3			9	4	1	1
Howard (V).....	165	2	3		22	3	2	
Suamico (T).....	51				14	3		
Balance of County.....	470	9	3		178	51	4	
BUFFALO.....	217	56	1		146	92	2	1
BURNETT.....	151	101	1	1	128	93	2	1
CALUMET.....	489	226	1	2	210	174	5	3
Appleton (C)(Pt.).....	73		1		6		1	
Brillion (C).....	54				18			
Chilton (C).....	42	224		2	31	114	1	1
Harrison (T).....	52				16	5		
Kiel (C)(Pt.).....	7				3			
New Holstein (C).....	46				44	32		
Balance of County.....	215	2			92	23	3	2
CHIPPEWA.....	797	659	9	8	448	432	13	10
Bloomer (C).....	43	158		2	42	70	1	3
Chippewa Falls (C).....	169	405	2	6	146	201	2	4
Eau Claire (C)(Pt.).....	32							
Hallie (T).....	65		2		17	3	1	
Lafayette (T).....	65				24	6		
Balance of County.....	423	96	5		219	152	9	3
CLARK.....	547	125	4	2	317	229	10	1
Neillsville (C).....	41	113	1	1	49	102		1
Balance of County.....	506	12	3	1	268	127	10	
COLUMBIA.....	590	493	4	4	423	366	6	2
Columbus (C).....	51	161	1	1	47	68		
Portage (C).....	128	328		2	101	172		
Balance of County.....	411	4	3	1	275	126	6	2
CRAWFORD.....	268	253		1	163	146	5	2
Prairie du Chien (C)...	100	251		1	64	108	1	1
Balance of County.....	168	2			99	38	4	1

In cases where a city lies in more than one county, the events for each part (Pt.) are allocated to the appropriate county.

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 2 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
DANE.....	4,242	4,979	26	48	1,788	2,588	41	96
Dunn (T).....	66	1			10	4		
Fitchburg (T).....	150				30	10	3	
Madison (C).....	2,103	4,806	14	48	1,023	1,875	23	92
Madison (T).....	73				18	6		
Middleton (C).....	145		1		43	12	2	
Monona (C).....	89				65	14	2	
Oregon (V).....	70		1		22	5	1	
Stoughton (C).....	130	163			92	144	2	2
Sun Prairie (C).....	220	1	1		58	28	2	
Balance of County.....	1,196	8	9		427	490	6	2
DODGE.....	1,112	1,204	6	5	679	724	10	10
Beaver Dam (C).....	206	564	2	2	163	268	1	1
Horicon (C).....	52				21	1		
Mayville (C).....	74		1		44	8		
Watertown (C) (Pt.)....	96	439		3	62	204	2	6
Waupun (C) (Pt.).....	63	199			60	106		2
Balance of County.....	621	2	3		329	137	7	1
DOOR.....	411	342	3	3	272	222	7	6
Sturgeon Bay (C).....	166	338	3	3	103	168	5	6
Balance of County.....	245	4			169	54	2	
DOUGLAS.....	606	265	1		423	336	6	3
Superior (C).....	416	264			320	297	3	3
Balance of County.....	190	1	1		103	39	3	
DUNN.....	460	356	3	1	226	178	4	
Menomonie (C).....	97	355	1	1	72	121	1	
Balance of County.....	363	1	2		154	57	3	
EAU CLAIRE.....	1,039	1,559	9	17	620	754	14	17
Altoona (C).....	83				28	5	3	
Eau Claire (C) (Pt.)....	610	1,558	6	17	417	693	8	17
Washington (T).....	97		2		24	4		
Balance of County.....	249	1	1		151	52	3	
FLORENCE.....	63				48	37		
FOND DU LAC.....	1,413	1,459	7	8	791	781	20	10
Fond du Lac (C).....	540	1,329	1	6	378	588	9	9
Fond du Lac (T).....	41				26	3		
No. Fond du Lac (V)....	69				23	3	3	
Ripon (C).....	79	129		1	88	118	1	1
Taycheedah (T).....	38		1		10			
Waupun (C) (Pt.).....	67	1			16	1	1	
Balance of County.....	579		5	1	250	68	6	
FOREST.....	141	1			115	61	1	
GRANT.....	839	622	6	4	469	412	9	2
Boscobel (C).....	47	69	1		41	60		
Lancaster (C).....	67	284	2	4	68	114		2
Platteville (C).....	97	139			75	73		
Balance of County.....	628	130	3		285	165	9	
GREEN.....	425	582	2		309	377	3	2
Brodhead (C).....	52				34	15		
Monroe (C).....	117	579	1		129	258	1	2
Balance of County.....	256	3	1		146	104	2	
GREEN LAKE.....	218	209	4	1	231	178	1	
Berlin (C) (Pt.).....	76	209	3	1	81	116		
Balance of County.....	142		1		150	62	1	

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 3 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
IOWA.....	325	198	4	2	201	166	6	1
Dodgeville (C).....	46	197	2	2	38	101		
Balance of County.....	279	1	2		163	65	6	1
IRON.....	84		1		101	30		
JACKSON.....	284	317	1	1	206	183	7	3
Black River Falls (C).....	55	316	1	1	74	143	1	2
Balance of County.....	229	1			132	40	6	1
JEFFERSON.....	948	386	4	1	574	393	10	4
Fort Atkinson (C).....	130	381		1	102	181	1	2
Jefferson (C).....	85				65	11	2	
Jefferson (T).....	24				17	108		
Koshkonong (T).....	43		1		22	2		
Lake Mills (C).....	54				40	21	1	
Watertown (C) (Pt.).....	199	3	2		137	23	4	1
Whitewater (C) (Pt.).....	6				2			
Balance of County.....	407	2	1		189	47	2	1
JUNEAU.....	328	130	3	1	202	147	4	1
Mauston (C).....	38	129		1	50	74		
Balance of County.....	290	1	3		152	73	4	1
KENOSHA.....	1,767	1,601	17	17	1,008	900	17	10
Bristol (T).....	47				30	11		
Kenosha (C).....	1,204	1,599	15	17	728	811	17	10
Pleasant Prairie (T).....	133		1		47	14		
Salem (T).....	113	1	1		54	15		
Somers (T).....	91				32	9		
Balance of County.....	179	1			117	40		
KEWAUNEE.....	282	154	3	1	205	167	1	
Algoma (C).....	40	73	1	1	45	62	1	
Kewaunee (C).....	40	77			52	81		
Balance of County.....	202	4	2		108	24		
LA CROSSE.....	1,195	2,170	2	14	749	1,122	14	42
Campbell (T).....	53				12	4		
La Crosse (C).....	571	2,166	1	14	507	989	7	40
Onalaska (C).....	128				55	40		
Onalaska (T).....	86	2			16	4		
Shelby (T).....	78	1			11	2		
Balance of County.....	279	1	1		148	83	7	2
LAFAYETTE.....	291	113	2	1	156	91	4	3
LANGLADE.....	305	367	4	3	201	191	3	2
Antigo (C).....	154	366	2	3	114	159	1	2
Balance of County.....	151	1	2		87	32	2	
LINCOLN.....	396	352	4	2	280	270	7	3
Merrill (C).....	147	244	1	2	122	150	3	2
Tomahawk (C).....	56	108	1		54	100	1	1
Balance of County.....	193		2		104	20	3	
MANITOWOC.....	1,195	1,071	13	12	704	616	8	2
Kiel (C) (Pt.).....	35				23	7		
Manitowoc (C).....	428	696	9	7	363	425	4	2
Manitowoc Rapids (T).....	31				24	9	1	
Two Rivers (C).....	192	372	2	5	104	111	1	
Two Rivers (T).....	53				15	6		
Balance of County.....	456	3	2		175	58	2	

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 4 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
MARATHON.....	1,752	1,451	12	11	786	636	22	11
Kronewetter (T).....	92				12	4		
Marshfield (C)(Pt.)...	1					1		
Rib Mountain (T).....	74	1			22	5	1	
Rothschild (V).....	49		2			2	1	
Schofield (C).....	41				30	5		
Stettin (T).....	64				29	12		
Wausau (C).....	497	1,447	3	11	347	488	9	10
Weston (T).....	197				31	45	2	
Balance of County.....	737	3	7		315	74	9	1
MARINETTE.....	571	804	3	6	450	418	10	6
Marinette (C).....	187	804	1	6	161	271	3	5
Peshtigo (C).....	36				41	33	1	1
Peshtigo (T).....	53		1		29	26		
Balance of County.....	295		1		219	88	6	
MARQUETTE.....	168	2	2		128	40	1	
MENOMINEE.....	83		1		31	15	2	1
MILWAUKEE.....	14,898	16,760	106	130	9,045	9,529	182	234
Bayside (V)(Pt.).....	49		1		27	27	1	
Brown Deer (V).....	138	1	2		63	7	1	
Cudahy (C).....	275	774		8	167	368	3	3
Fox Point (V).....	67				65	7	1	
Franklin (C).....	247	1	1		75	2	1	
Glendale (C).....	126				171	143		
Greendale (V).....	192				60	2	2	
Greenfield (C).....	414				196	37	6	
Hales Corners (V).....	69				51	3	1	
Milwaukee (C)(Pt.).....	10,767	12,785	85	100	6,293	6,695	143	174
Oak Creek (C).....	256	2	2		72	1	4	
St. Francis (C).....	130	2	2		77	15		
Shorewood (V).....	158		1		176	48	2	
So. Milwaukee (C).....	285		2		156	27	2	
Wauwatosa (C).....	579	1,190	4	14	538	1,534	2	41
West Allis (C).....	912	2,005	4	8	654	597	10	16
West Milwaukee (V).....	35		1		43	8	1	
Whitefish Bay (V).....	181		1		131	5	2	
Balance of County.....	18				30	3		
MONROE.....	491	297	9	3	324	372	2	
Sparta (C).....	97	115			87	101	1	
Tomah (C).....	89	175	3	3	91	207		
Balance of County.....	305	7	6		146	64	1	
OCONTO.....	410	179	3	1	325	243	2	
Oconto (C).....	65	69			69	73		
Oconto Falls (C).....	41	107			44	90	1	
Balance of County.....	304	3	3	1	212	80	1	
ONEIDA.....	396	730		3	312	404	6	7
Pelican (T).....	45				22	5	1	
Rhineland (C).....	102	487		1	115	237	2	5
Balance of County.....	249	243		2	175	162	3	2

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 5 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
OUTAGAMIE.....	2,058	2,280	15	12	924	933	21	12
Appleton (C)(Pt.)....	839	1,913	8	9	470	645	10	9
Combined Locks (V)....	36				11	4		
Freedom (T).....	86				7	2		
Grand Chute (T).....	111	2			53	27	2	1
Greenville (T).....	48				15	6	2	
Kaukauna (C).....	170	115	1		95	72	2	
Kimberly (V).....	97				20	7		
Little Chute (V).....	117		1		59	47	2	
New London (C)(Pt.)...	26	247		3	19	80		1
Oneida (T).....	76				19	4		
Balance of County.....	452	3	5		156	39	3	1
OZAUKEE.....	978	323	14	2	391	281	13	5
Bayside (V)(Pt.).....								
Cedarburg (C).....	176	2	2		65	39	1	
Cedarburg (T).....	11				10	4	1	
Grafton (T).....	8				15	2		
Grafton (V).....	197	1	3		34	10	3	1
Mequon (C).....	186	1	3		113	91	3	
Port Washington (C)...	139	316	2	2	66	116		2
Thiensville (V).....	31				34	7		
Balance of County.....	230	3	4		54	12	5	2
PEPIN.....	108	100			75	75	1	1
PIERCE.....	452	1	1		231	122	5	
River Falls (C)(Pt.)..	99				36	4	1	
Balance of County.....	353	1	1		195	118	4	
POLK.....	434	473	3	5	320	319	3	1
PORTAGE.....	831	861	2	2	375	360	8	4
Hull (T).....	71				12	4		
Plover (V).....	59				11	3		
Stevens Point (C)....	284	850		1	196	261	4	4
Balance of County.....	417	11	2	1	156	92	4	
PRICE.....	227	141	1		151	136	2	1
Park Falls (C).....	39	131			42	89		
Balance of County.....	188	10	1		109	47	2	1
RACINE.....	2,620	2,746	25	25	1,343	1,296	29	21
Burlington (C).....	136	647		2	83	215		4
Burlington (T).....	81	1			33	7	2	
Caledonia (T).....	218	1	2		102	27	1	
Dover (T).....	35				20	10		
Mt. Pleasant (T).....	226	1			112	155	1	
Norway (T).....	31				22	7	1	
Racine (C).....	1,487	2,094	19	23	820	845	19	17
Raymond (T).....	30				5	3		
Sturtevant (V).....	77		2		26	2	1	
Union Grove (V).....	66	2			18	4	1	
Waterford (T).....	34				18	5	1	
Yorkville (T).....	47				11	10	1	
Balance of County.....	152		2		73	6	1	
RICHLAND.....	257	328	2	3	156	140	2	2
Richland Center (C)...	50	327		3	55	95	1	2
Balance of County.....	207	1	2		101	45	1	

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 6 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
ROCK.....	2,005	2,198	10	9	1,097	1,068	21	15
Beloit (C).....	644	778	3	3	322	376	7	5
Beloit (T).....	46				62	12	1	
Edgerton (C).....	59	71			40	76		
Evansville (C).....	35				32	17		
Janesville (C).....	755	1,346	4	6	384	385	8	9
Janesville (T).....	55	2			28	71	1	
Milton (C).....	48				29	4		
Rock (T).....	7		1		45	63	1	
Turtle (T).....	21				15	6	1	1
Balance of County.....	335	1	2		140	58	2	
RUSK.....	239	107	2		140	95	3	
Ladysmith (C).....	59	105			43	67	1	
Balance of County.....	180	2	2		97	28	2	
ST. CROIX.....	700	641	4	3	328	318	10	5
Hudson (C).....	106	155	1	1	47	60	3	1
New Richmond (C).....	69	168	1		50	68		1
River Falls (C)(Pt.)..	22	185			32	60	1	2
Balance of County.....	503	133	2	2	199	130	6	1
SAUK.....	606	595	5	1	438	425	6	2
Baraboo (C).....	96	302	2		100	142	1	2
Reedsburg (C).....	63	136		1	62	78		
Balance of County.....	447	157	3		276	205	5	
SAWYER.....	157	141	1	1	141	129	3	1
SHAWANO.....	478	403	2	2	396	319	3	1
Shawano (C).....	84	401		2	123	230		
Balance of County.....	394	2	2		273	89	3	1
SHEBOYGAN.....	1,505	1,556	8	10	948	933	20	13
Lima (T).....	33		1		11	6		
Plymouth (C).....	89	102			80	71		
Sheboygan (C).....	714	1,452	5	10	553	674	13	11
Sheboygan (T).....	46	1			22	3	1	
Sheboygan Falls (C)...	75				36	8	1	
Wilson (T).....	43				13	4		
Balance of County.....	505	1	2		233	167	5	2
TAYLOR.....	321	384	5	4	175	165	3	1
Medford (C).....	59	366		4	44	119	1	1
Balance of County.....	262	18	5		131	46	2	
TREMPEALEAU.....	357	185	2	1	306	258	5	
VERNON.....	340	447	1	4	325	266	4	1
Viroqua (C).....	36	299		3	67	123		
Balance of County.....	304	148	1	1	258	143	4	1
VILAS.....	190	38	2		183	156	6	3
WALWORTH.....	991	355	8	5	600	449	16	3
Delavan (C).....	82		1		60	29	1	
Delavan (T).....	63				29	7		
East Troy (T).....	51				12	3	1	
Elkhorn (C).....	75				45	8	2	
Geneva (T).....	46	352	1	5	59	304		2
Lake Geneva (C).....	74				71	13	2	
Whitewater (C)(Pt.)...	84	1			45	10	1	
Balance of County.....	516	2	6		279	75	9	1
WASHBURN.....	195	243	2	2	157	179	2	2

Table 23 (Cont.)

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 7 of 7 pages

(Residence & Occurrence Data)

Area	Live Births		Fetal Deaths		Deaths		Infant Deaths	
	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence	Residence	Occurrence
WASHINGTON.....	1,318	930	11	6	548	470	12	5
Germantown (V).....	125		1		42	2		
Hartford (C).....	133	411	2	4	81	144	2	2
Jackson (T).....	27				17	6		
Milwaukee (C)(Pt.)....								
Polk (T).....	42				16	2	1	
Richfield (T).....	73				27	7	1	
Trenton (T).....	41	1			12	2	1	
West Bend (C).....	438	515	3	2	138	212	2	3
West Bend (T).....	36	1	1		88	79		
Balance of County.....	403	2	4		127	16	5	
WAUKESHA.....	3,507	3,466	22	16	1,480	1,469	26	13
Brookfield (C).....	258	831		1	184	203	2	1
Brookfield (T).....	21				3	2		
Delafield (C).....	40		1		23	12		
Delafield (T).....	43	1	1		15	16	1	
Elm Grove (V).....	46				55	28		
Genesee (T).....	53				17	1		
Hartland (V).....	115	1	1		28	3		
Lisbon (T).....	76				19	8	1	
Menomonee Falls (V)...	273	816	1	1	124	207	2	4
Merton (T).....	50				31	6		
Muskego (C).....	212				66	45	1	
New Berlin (C).....	350	1	3		121	73	3	1
Oconomowoc (C).....	159	472	2	7	108	209		
Oconomowoc (T).....	81	1	1		37	15		
Pewaukee (T).....	66				63	106		
Pewaukee (V).....	102		3		76	31	2	
Summit (T).....	27				36	23		
Sussex (V).....	79				22	2	1	
Vernon (T).....	56				4	1	1	
Waukesha (C).....	938	1,342	3	6	308	449	6	7
Waukesha (T).....	61				26	7	1	
Balance of County.....	401	1	6	1	114	22	5	
WAUPACA.....	598	369	3	3	483	479	10	4
Clintonville (C).....	55	136	1	2	71	96		
New London (C).....	74	1			55	30	3	2
Waupaca (C).....	85	213		1	65	144		
Balance of County.....	384	19	2		292	209	7	2
WAUSHARA.....	263	187	1	1	195	148	3	1
Berlin (C)(Pt.).....	6							
Balance of County.....	257	187	1	1	195	148	3	1
WINNEBAGO.....	1,650	1,788	14	20	1,076	1,148	22	38
Algoma (T).....	26				18	7		
Appleton (C)(Pt.)....	1							
Menasha (C).....	226		5		109	12	1	
Menasha (T).....	141				40	24		
Neenah (C).....	340	1,099	4	15	180	409	4	32
Neenah (T).....	27				16	3		
Oshkosh (C).....	564	688	5	5	492	564	12	5
Oshkosh (T).....	40				56	70	2	
Balance of County.....	285	1			165	59	3	1
WOOD.....	1,117	1,852	3	8	510	863	10	50
Grand Rapids (T).....	105				19	5		
Marshfield (C)(Pt.)...	253	1,234	2	7	143	567	1	46
Saratoga (T).....	68				22	3	1	
Wisconsin Rapids (C)...	276	617	1	1	159	198	3	4
Balance of County.....	415	1			167	90	5	

Table 23a

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY BIRTHWEIGHT;
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 1 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths ^a				Neonatal Deaths ^a				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.
State Total.....	68548	3831	64717	774	424	316	34	513	357	134	22	478	313	165	-
Urban.....	46211	2721	43490	519	289	212	18	340	240	88	12	325	216	109	
Balance of State.....	22337	1110	21227	255	135	104	16	173	117	46	10	153	97	56	
ADAMS.....	127	7	120	1	1			1	1			1	1		
ASHLAND.....	247	10	237	2		2		2		2		5	3	2	
Ashland (C).....	114	6	108									3	2	1	
Balance of County.....	133	4	129	2		2		2		2		2	1	1	
BARRON.....	578	23	555	9	7	2		6	5	1		3	2	1	
Rice Lake (C).....	114	3	111	3	2	1		2	1	1					
Balance of County.....	464	20	444	6	5	1		4	4			3	2	1	
BAYFIELD.....	182	12	170	2	1		1								
BROWN.....	2715	119	2596	24	16	7	1	18	15	2	1	19	13	6	
Allouez (T).....	173	6	167	1	1			1	1			1	1		
Ashwaubenon (T).....	209	14	195	3	2	1		3	2	1		2	1	1	
De Pere (C).....	215	4	211	1	1			1	1			2	1	1	
Green Bay (C).....	1373	68	1305	12	8	3	1	9	8		1	8	6	2	
Hobart (T).....	59	2	57	1	1										
Howard (V).....	165	9	156	2	1	1		1	1			3	3		
Suamico (T).....	51		51												
Balance of County.....	470	16	454	4	3	1		3	2	1		3	1	2	
BUFFALO.....	217	6	211	2		2						1	1		
BURNETT.....	151	8	143	2	1	1		1	1			1	1		
CALUMET.....	489	26	463	5	1	4		2	1	1		1	1		
Appleton (C) (Pt.).....	73	3	70	1	1			1	1			1	1		
Brillion (C).....	54	4	50												
Chilton (C).....	42	3	39	1		1									
Harrison (T).....	52	5	47												
Kiel (C) (Pt.).....	7	1	6												
New Holstein (C).....	46	3	43												
Balance of County.....	215	7	208	3		3		1		1					
CHIPPEWA.....	797	30	767	13	6	7		10	6	4		9	7	2	
Bloomer (C).....	43	2	41	1	1			1	1						
Chippewa Falls (C).....	169	8	161	2	2			2	2			2	1	1	
Eau Claire (C) (Pt.).....	32	2	30												
Hallie (T).....	65	2	63	1	1			1	1			2	2		
Lafayette (T).....	65	1	64												
Balance of County.....	423	15	408	9	2	7		6	2	4		5	4	1	
CLARK.....	547	34	513	10	7	3		8	6	2		4	1	3	
Neillsville (C).....	41	3	38									1		1	
Balance of County.....	506	31	475	10	7	3		8	6	2		3	1	2	
COLUMBIA.....	590	34	556	6	3	2	1	2	1	1		4	3	1	
Columbus (C).....	51	2	49									1		1	
Portage (C).....	128	10	118												
Balance of County.....	411	22	389	6	3	2	1	2	1	1		3	3		
CRAWFORD.....	268	13	255	5	3	2		4	3	1					
Prairie du Chien (C)...	100	5	95	1	1			1	1						
Balance of County.....	168	8	160	4	2	2		3	2	1					

a). This table is not comparable to other infant death tables because of a difference in source. The infant death data in this table are from matched death and birth records.

In cases where a city lies in more than one county, the events for each part (Pt.) are allocated to the appropriate county.

Definitions: Premature: 2500 grams or less (5 lbs. 8 oz. or under)
Term: 2501 grams or more (more than 5 lbs. 8 oz.)

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY BIRTHWEIGHT;
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 2 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths ^a				Neonatal Deaths ^a				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.
DANE.....	4242	222	4020	41	22	17	2	27	15	11	1	26	19	7	
Dunn (T).....	66	3	63												
Fitchburg (T).....	130	8	142	3	2	1		2	2						
Madison (C).....	2103	121	1982	23	12	9	2	14	6	7	1	14	8	6	
Madison (T).....	73	3	70												
Middleton (C).....	145	5	140	2	1	1		2	1	1		1	1		
Monona (C).....	89	8	81	2	2			2	2						
Oregon (V).....	70	2	68	1		1		1		1		1	1		
Stoughton (C).....	130	7	123	2	1	1		1	1						
Sun Prairie (C).....	220	11	209	2	1	1		1	1			1	1		
Balance of County.....	1196	54	1142	6	3	3		4	2	2		9	8	1	
DODGE.....	1112	68	1044	10	6	4		8	6	2		6	2	4	
Beaver Dam (C).....	206	19	187	1	1			1	1			2	1	1	
Horicon (C).....	52	1	51												
Mayville (C).....	74	5	69									1		1	
Watertown (C)(Pt.).....	96	5	91	2	2			2	2						
Waupun (C)(Pt.).....	63	6	57												
Balance of County.....	621	32	589	7	3	4		5	3	2		3	1	2	
DOOR.....	411	13	398	7	1	6		3	1	2		3	2	1	
Sturgeon Bay (C).....	166	5	161	5	1	4		2	1	1		3	2	1	
Balance of County.....	245	8	237	2		2		1		1					
DOUGLAS.....	606	39	567	6	1	4	1	4	1	2	1	1	1		
Superior (C).....	416	26	390	3	1	1	1	2	1		1				
Balance of County.....	190	13	177	3		3		2		2		1	1		
DUNN.....	460	21	439	4	1	1	2	4	1	1	2	3	3		
Menomonie (C).....	97	5	92	1	1			1	1			1	1		
Balance of County.....	363	16	347	3		1	2	3		1	2	2	2		
EAU CLAIRE.....	1039	55	984	14	10	4		14	10	4		9	8	1	
Altoona (C).....	83	6	77	3	2	1		3	2	1					
Eau Claire (C)(Pt.).....	610	35	575	8	6	2		8	6	2		6	5	1	
Washington (T).....	97	1	96												
Balance of County.....	249	13	236	3	2	1		3	2	1		3	3		
FLORENCE.....	63		63												
FOND DU LAC.....	1413	57	1356	20	13	5	2	12	11	1		7	2	5	
Fond du Lac (C).....	540	20	520	10	5	3	2	4	4			1	1		
Fond du Lac (T).....	41	3	38												
No. Fond du Lac (V)....	69	3	66	2	1	1		1	1						
Ripon (C).....	79	2	77	1		1		1		1					
Taycheedah (T).....	38	1	37									1		1	
Waupun (C)(Pt.).....	67	4	63	1	1			1	1						
Balance of County.....	579	24	555	6	6			5	5			5	1	4	
FOREST.....	141	7	134	1		1									
GRANT.....	839	43	796	9	4	2	3	6	4		2	6	4	2	
Boscobel (C).....	47	3	44									1	1		
Lancaster (C).....	67	1	66									2	1	1	
Platteville (C).....	97	2	95												
Balance of County.....	628	37	591	9	4	2	3	6	4		2	3	2	1	
GREEN.....	425	25	400	3	1	2		2	1	1		2	2		
Brodhead (C).....	52	3	49												
Monroe (C).....	117	3	114	1		1						1	1		
Balance of County.....	256	15	237	2	1	1		2	1	1		1	1		
GREEN LAKE.....	218	7	211	1		1		1		1		4	3	1	
Berlin (C)(Pt.).....	76	2	74									3	2	1	
Balance of County.....	142	5	137	1		1		1		1		1	1		

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY BIRTHWEIGHT;
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 3 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths ^a				Neonatal Deaths ^a				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.
IOWA.....	325	17	308	6	3	3		3	2	1		4	2	2	
Dodgeville (C).....	46	4	42									2	1	1	
Balance of County.....	279	13	266	6	3	3		3	2	1		2	1	1	
IRON.....	84	6	78									1	1		
JACKSON.....	284	24	260	7	4	3		6	3	3		1	1		
Black River Falls (C).....	55	7	48	1	1			1	1			1	1		
Balance of County.....	229	17	212	6	3	3		5	2	3					
JEFFERSON.....	948	56	892	10	6	4		6	5	1		4	4		
Fort Atkinson (C).....	130	8	122	1		1									
Jefferson (C).....	85	6	79	2	2			2	2						
Jefferson (T).....	24	3	21												
Koshkonong (T).....	43	2	41									1	1		
Lake Mills (C).....	54	3	51	1	1			1	1						
Watertown (C)(Pt.).....	199	13	186	4	2	2		2	2			2	2		
Whitewater (C)(Pt.).....	6		6												
Balance of County.....	407	21	386	2	1	1		1		1		1	1		
JUNEAU.....	328	23	305	4	3	1		3	3			3	2	1	
Mauston (C).....	38	1	37												
Balance of County.....	290	22	268	4	3	1		3	3			3	2	1	
KENOSHA.....	1767	80	1687	17	8	7	2	11	5	4	2	17	11	6	
Bristol (T).....	47	3	44												
Kenosha (C).....	1204	65	1139	17	8	7	2	11	5	4	2	15	9	6	
Pleasant Prairie (T).....	133	2	131									1	1		
Salem (T).....	113	3	110									1	1		
Somers (T).....	91	4	87												
Balance of County.....	179	3	176												
KEWAUNEE.....	282	12	270	1		1		1		1		3	1	2	
Algoma (C).....	40		40	1		1		1		1		1		1	
Kewaunee (C).....	40	1	39												
Balance of County.....	202	11	191									2	1	1	
LA CROSSE.....	1195	74	1121	14	10	4		8	7	1		2	2		
Campbell (T).....	53	3	50												
La Crosse (C).....	571	39	532	7	5	2		4	4			1	1		
Onalaska (C).....	128	6	122												
Onalaska (T).....	86	3	83												
Shelby (T).....	78	4	74												
Balance of County.....	279	19	260	7	5	2		4	3	1		1	1		
LAFAYETTE.....	291	13	278	4	1	2	1	2	1	1		2		2	
LANGLADE.....	305	20	285	3	1	2		2	1	1		4	1	3	
Antigo (C).....	154	11	143	1	1			1	1			2		2	
Balance of County.....	151	9	142	2		2		1		1		2	1	1	
LINCOLN.....	396	21	375	7	5	2		5	5			4	3	1	
Merrill (C).....	147	9	138	3	2	1		2	2			1	1		
Tomahawk (C).....	56	4	52	1		1						2	1	1	
Balance of County.....	193	8	185	3	3			3	3			1	1		
MANITOWOC.....	1195	58	1137	8	5	3		7	5	2		13	5	8	
Kiel (C)(Pt.).....	35	2	33												
Manitowoc (C).....	428	27	401	4	3	1		4	3	1		9	3	6	
Manitowoc Rapids (T).....	31	2	29	1	1										
Two Rivers (C).....	192	8	184	1		1		1		1		2	1	1	
Two Rivers (T).....	53	2	51												
Balance of County.....	456	17	439	2	1	1		2	2			2	1	1	

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY BIRTHWEIGHT;
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 4 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths ^a				Neonatal Deaths ^a				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.
MARATHON.....	1752	86	1666	22	13	9		17	12	5		12	7	5	
Kronewetter (T).....	92	5	87												
Marshfield (C)(Pt.)...	1		1												
Rib Mountain (T).....	74	9	65	1	1			1	1						
Rothschild (V).....	49	3	46	1	1			1	1			2	2		
Schofield (C).....	41	4	37												
Stettin (T).....	64	3	61												
Wausau (C).....	497	18	479	9	5	4		7	5	2		3	1	2	
Weston (T).....	197	11	186	2	1	1		2	1	1					
Balance of County.....	737	33	704	9	5	4		6	4	2		7	4	3	
MARINETTE.....	571	30	541	10	5	3	2	6	4	1	1	3	2	1	
Marinette (C).....	187	14	173	3	2	1		1	1			1		1	
Peshtigo (C).....	36		36	1		1									
Peshtigo (T).....	53	3	50									1	1		
Balance of County.....	295	13	282	6	3	1	2	5	3	1	1	1	1		
MARQUETTE.....	168	9	159	1	1			1	1			2	2		
MENOMINEE.....	83	4	79	2		2						1		1	
MILWAUKEE.....	14898	1076	13822	182	95	81	6	116	74	38	4	106	75	31	
Bayside (V)(Pt.).....	49	1	48	1		1		1		1		1		1	
Brown Deer (V).....	138	5	133	1		1		1		1		2	1	1	
Cudahy (C).....	275	13	262	3	2	1		3	2	1					
Fox Point (V).....	67	5	62	1			1	1			1				
Franklin (C).....	247	8	239	1	1			1	1			1	1		
Glendale (C).....	126	4	122												
Greendale (V).....	192	7	185	2	2			2	2						
Greenfield (C).....	414	21	393	6	4	2		4	2	2					
Hales Corners (V).....	69	7	62	1	1			1	1						
Milwaukee (C)(Pt.)....	10767	857	9910	143	74	65	4	87	57	28	2	85	62	23	
Oak Creek (C).....	256	19	237	4	1	3		1	1			2	2	2	
St. Francis (C).....	130	7	123												
Shorewood (V).....	158	8	150	2		1	1	2		1	1	1	1		
So. Milwaukee (C).....	285	20	265	2	1	1		1		1		2	2		
Wauwatosa (C).....	579	33	546	2	1	1		2	1	1		4	4		
West Allis (C).....	912	49	863	10	7	3		7	6	1		4	2	2	
West Milwaukee (V)....	35	3	32	1	1			1	1			1		1	
Whitefish Bay (V).....	181	9	172	2		2		1		1		1		1	
Balance of County.....	18		18												
MONROE.....	491	22	469	2	2			2	2			9	8	1	
Sparta (C).....	97	6	91	1	1			1	1						
Tomah (C).....	89	6	83									3	3		
Balance of County.....	305	10	295	1	1			1	1			6	5	1	
OCONTO.....	410	17	393	2	1	1		2	1	1		3	3		
Oconto (C).....	65	1	64												
Oconto Falls (C).....	41	2	39	1	1			1	1						
Balance of County.....	304	14	290	1		1		1		1		3	3		
ONEIDA.....	396	28	368	6	3	3		4	2	2					
Pelican (T).....	45	2	43	1	1			1	1						
Rhineland (C).....	102	4	98	2	1	1		2	1	1					
Balance of County.....	249	22	227	3	1	2		1		1					

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY BIRTHWEIGHT;
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 5 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths ^a				Neonatal Deaths ^a				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.
OUTAGAMIE.....	2058	104	1954	21	14	7		16	13	3		15	12	3	
Appleton (C)(Pt.).....	839	40	799	10	8	2		8	7	1		8	7	1	
Combined Locks (V)....	36		36												
Freedom (T).....	86	1	85												
Grand Chute (T).....	111	6	105	2		2		1		1					
Greenville (T).....	48	3	45	2	1	1		1	1						
Kaukauna (C).....	170	8	162	2	1	1		2	1	1		1		1	
Kimberly (V).....	97	5	92												
Little Chute (V).....	117	10	107	2	2			2	2						
New London (C)(Pt.)...	26	1	25												
Oneida (T).....	76	5	71												
Balance of County.....	452	25	427	3	2	1		2	2			6	5	1	
OZAUCKEE.....	978	51	927	13	7	6		8	7	1		14	9	5	
Bayside (V)(Pt.).....															
Cedarburg (C).....	176	10	166	1	1			1	1			2		2	
Cedarburg (T).....	11		11	1		1									
Grafton (T).....	8		8												
Grafton (V).....	197	7	190	3	2	1		2	2			3	3		
Mequon (C).....	186	8	178	3	1	2		1	1			3	1	2	
Port Washington (C)...	139	7	132									2	1	1	
Thiensville (V).....	31	2	29												
Balance of County.....	230	17	213	5	3	2		4	3	1		4	4		
PEPIN.....	108	3	105	1	1			1	1						
PIERCE.....	452	19	433	5	2	1	2	2	1		2	1	1		
River Falls (C)(Pt.)..	99	5	94	1	1										
Balance of County.....	353	14	339	4	1	1	2	3	1		2	1	1		
POLK.....	434	20	414	3	1	1	1	2	1		1	3	1	2	
PORTAGE.....	831	32	799	8	4	4		5	4	1		2	2		
Hull (T).....	71	2	69												
Plover (V).....	93	3	90												
Stevens Point (C).....	284	17	267	4	1	3		2	1	1					
Balance of County.....	383	10	373	4	3	1		3	3			2	2		
PRICE.....	227	6	221	2	1	1		1	1			1	1		
Park Falls (C).....	39		39												
Balance of County.....	188	6	182	2	1	1		1	1			1	1		
RACINE.....	2620	174	2446	29	20	8	1	20	15	4	1	25	17	8	
Burlington (C).....	136	6	130												
Burlington (T).....	81	8	73	2		2		1		1					
Caledonia (T).....	218	10	208	1			1	1			1	2	1	1	
Dover (T).....	35	3	32												
Mt. Pleasant (T).....	226	18	208	1	1			1	1						
Norway (T).....	31	2	29	1	1										
Racine (C).....	1487	104	1383	19	15	4		15	12	3		19	13	6	
Raymond (T).....	30	2	28												
Sturtevant (V).....	77	1	76	1	1			1	1			2	2		
Union Grove (V).....	66	7	59	1	1			1	1						
Waterford (T).....	34	2	32	1		1									
Yorkville (T).....	47	3	44	1	1										
Balance of County.....	152	8	144	1		1						2	1	1	
RICHLAND.....	257	14	243	2	2			2	2			2		2	
Richland Center (C)...	50	4	46	1	1			1	1						
Balance of County.....	207	10	197	1	1			1	1			2		2	

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY BIRTHWEIGHT;
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 6 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths ^a				Neonatal Deaths ^a				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.
ROCK.....	2005	131	1874	21	10	10	1	13	9	3	1	10	5	5	
Beloit (C).....	644	46	598	7		6	1	3		2	1	3	1	2	
Beloit (T).....	46	5	41	1	1			1	1						
Edgerton (C).....	59	3	56												
Evansville (C).....	35	2	33												
Janesville (C).....	755	50	705	8	7	1		6	6			4	2	2	
Janesville (T).....	55		55	1		1		1		1					
Milton (C).....	48	4	44												
Rock (T).....	7	1	6	1	1			1	1			1	1		
Turtle (T).....	21	1	20	1		1									
Balance of County.....	335	19	316	2	1	1		1	1			2	1	1	
RUSK.....	239	12	227	3	2	1		2	1	1		2	2		
Ladysmith (C).....	59	2	57	1	1			1	1						
Balance of County.....	180	10	170	2	1	1		1		1		2	2		
ST. CROIX.....	700	36	664	10	4	5	1	5	3	1	1	4	3	1	
Hudson (C).....	106	3	103	3		2	1	2		1	1	1	1		
New Richmond (C).....	69	4	65									1	1		
River Falls (C)(Pt.)..	22	2	20	1	1			1	1						
Balance of County.....	503	27	476	6	3	3		2	2			2	1	1	
SAUK.....	606	33	573	6	2	4		4	2	2		5	4	1	
Baraboo (C).....	96	10	86	1		1						2	2		
Reedsburg (C).....	63	4	59												
Balance of County.....	447	19	428	5	2	3		4	2	2		3	2	1	
SAWYER.....	157	7	150	3	2	1		2	2			1		1	
SHAWANO.....	478	23	455	3	2	1		2	2			2		2	
Shawano (C).....	84	2	82												
Balance of County.....	394	21	373	3	2	1		2	2			2		2	
SHEBOYGAN.....	1505	84	1421	20	9	11		11	9	2		8	4	4	
Lima (T).....	33		33									1	1		
Plymouth (C).....	89	10	79												
Sheboygan (C).....	714	41	673	13	6	7		7	6	1		5	2	3	
Sheboygan (T).....	46	1	45	1		1		1		1					
Sheboygan Falls (C)...	75	7	68	1	1			1	1						
Wilson (T).....	43		43												
Balance of County.....	505	25	480	5	2	3		2	2			2	1	1	
TAYLOR.....	321	17	304	3	2	1		2	2			5	1	4	
Medford (C).....	59	2	57	1		1									
Balance of County.....	262	15	247	2	2			2	2			5	1	4	
TREMPEALEAU.....	357	19	338	5	4	1		4	4			2	2		
VERNON.....	340	20	320	4	3		1	3	3			1		1	
Viroqua (C).....	36	2	34												
Balance of County.....	304	18	286	4	3		1	3	3			1		1	
VILAS.....	190	11	179	6	3	3		4	3	1		2		2	
WALWORTH.....	991	57	934	16	10	5	1	11	9	1	1	8	5	3	
Delavan (C).....	82	3	79	1	1			1	1			1	1		
Delavan (T).....	63	2	61												
East Troy (T).....	51		51	1	1			1	1						
Elkhorn (C).....	75	3	72	2	2			2	2						
Geneva (T).....	46	4	42									1	1		
Lake Geneva (C).....	74	5	69	2	1	1									
Whitewater (C)(Pt.)...	84	6	78	1		1									
Balance of County.....	516	34	482	9	5	3	1	7	5	1	1	6	3	3	
WASHBURN.....	195	9	186	2	2			2	2			2	1	1	

Table 23a (Cont.)

LIVE BIRTHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS BY BIRTHWEIGHT;
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1977

P. 7 of 7 pages

(Resident Data)

Area	Live Births			Infant Deaths ^a				Neonatal Deaths ^a				Fetal Deaths			
	Total	Prem.	Term	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.	Total	Prem.	Term	Unk.
WASHINGTON.....	1318	63	1255	12	5	7		7	5	2		11	6	5	
Germantown (V).....	125	3	122									1	1		
Hartford (C).....	133	7	126	2		2						2		2	
Jackson (T).....	27	3	24												
Milwaukee (C)(Pt.)....															
Polk (T).....	42	3	39	1		1		1		1					
Richfield (T).....	73	5	68	1		1		1		1					
Trenton (T).....	41	2	39	1		1									
West Bend (C).....	438	19	419	6	5	1		5	5			3	1	2	
West Bend (T).....	36	3	33									1	1		
Balance of County.....	403	18	385	1		1						4	3	1	
WAUKESHA.....	3507	141	3366	26	16	8	2	15	12	2	1	22	16	6	
Brookfield (C).....	258	7	251	2	1	1		1	1						
Brookfield (T).....	21		21												
Delafield (C).....	40	2	38									1	1		
Delafield (T).....	43	1	42	1		1						1	1		
Elm Grove (V).....	46		46												
Genesee (T).....	53	2	51												
Hartland (V).....	115	5	110									1	1		
Lisbon (T).....	76	3	73	1		1									
Menomonee Falls (V)...	273	8	265	2	2			1	1			1		1	
Merton (T).....	50		50												
Muskego (C).....	212	9	203	1		1									
New Berlin (C).....	350	12	338	3	2		1	1	1			3	1	2	
Oconomowoc (C).....	159	7	152									2	2		
Oconomowoc (T).....	81	4	77									1		1	
Pewaukee (T).....	66	4	62												
Pewaukee (V).....	102	7	95	2	2			2	2			3	3		
Summit (T).....	27	1	26												
Sussex (V).....	79	4	75	1	1			1	1						
Vernon (T).....	56	2	54	1	1			1	1						
Waukesha (C).....	938	37	901	6	3	3		4	2	2		3	3		
Waukesha (T).....	61	3	58	1		1									
Balance of County.....	401	23	378	5	4		1	4	3		1	6	4	2	
WAUPACA.....	598	30	568	10	5	5		6	4	2		3	2	1	
Clintonville (C).....	55	3	52									1	1		
New London (C)(Pt.)...	74	7	67	3	1	2		1	1						
Waupaca (C).....	85	4	81												
Balance of County.....	384	16	368	7	4	3		5	3	2		2	1	1	
WAUSHARA.....	263	17	246	3	2	1		3	2	1		1		1	
Berlin (C)(Pt.).....	6		6												
Balance of County.....	257	17	240	3	2	1		3	2	1		1		1	
WINNEBAGO.....	1650	94	1556	22	13	9		14	12	2		14	8	6	
Algoma (T).....	26	1	25												
Appleton (C)(Pt.).....	1		1												
Menasha (C).....	226	7	219	1	1			1	1			5	2	3	
Menasha (T).....	141	10	131												
Neenah (C).....	340	22	318	4	2	2		3	2	1		4	3	1	
Neenah (T).....	27	2	25												
Oshkosh (C).....	564	35	529	12	6	6		7	6	1		5	3	2	
Oshkosh (T).....	39		39	2	2			1	1						
Balance of County.....	286	17	269	3	2	1		2	2						
WOOD.....	1117	49	1068	10	5	5		8	4	4		3	2	1	
Grand Rapids (T).....	105	3	102												
Marshfield (C)(Pt.)...	253	11	242	1	1							2	1	1	
Saratoga (T).....	68	1	67	1		1		1		1					
Wisconsin Rapids (C)..	276	10	266	3	1	2		3	1	2		1	1		
Balance of County.....	415	24	391	5	3	2		4	3	1					

Mortality

MORTALITY

Between 1910 and 1977 the crude death rate for Wisconsin residents decreased from 12.1 per 1,000 population to 8.5. (Table 7 in Summary of Vital Statistics, p. 17). The 1977 crude death rate of 8.5 is the lowest ever recorded in Wisconsin. The highest death rate (13.6) was observed in 1918; this is accounted for by influenza and pneumonia epidemic in that year. Military deaths are excluded from these tabulations.

After a period of fifteen years of stability in death rates, the rates have resumed a downward trend in recent years. From 1954 until 1969, the crude death rate fluctuated narrowly--about 9.4 per thousand. This apparent stability really represents the cancellation of two contrary trends: on the one hand a gradual aging of the population with its tendency to increase the number of deaths and the death rate, and on the other hand a gradual trend down in the age-specific death rates.

Since 1969, the downward trend in the age-specific death rates has accelerated, especially for older ages, and the crude death rate, despite continuing aging of the population, has declined to an all time low of 8.5 per thousand.

In 1977, 39,325 deaths occurred to Wisconsin residents; 21,597 decedents were male and 17,728, female. The crude death rate for males (9.5 per 1,000 population) was considerably higher than for females (7.5). This is true at every age, as indicated below.

Text Table 3

TOTAL DEATHS AND DEATH RATES BY SEX AND AGE GROUPS
Wisconsin, 1977

Age Groups	Males		Females	
	Number	Rate*	Number	Rate*
Total	21,597	9.5	17,728	7.5
Under 1 yr.	451	13.3	323	10.1
1- 4	99	0.8	76	0.6
5- 9	75	0.4	32	0.2
10-14	90	0.4	35	0.2
15-24	648	1.4	219	0.5
25-34	441	1.2	245	0.7
35-44	522	2.4	308	1.4
45-54	1,451	6.1	890	3.6
55-64	3,457	16.3	1,932	8.3
65-69	2,655	30.2	1,547	15.0
70-74	2,952	49.2	1,935	25.8
75-79	3,026	73.8	2,514	44.9
80-84	2,776	111.0	3,000	75.0
85+	2,954	173.8	4,669	129.7
Unk.			3	

*Rate per 1,000 population.

Leading Causes of Death

The first ten leading causes of death for 1977 retained their respective standings when compared to 1976. The leading causes of death and cause-specific rates per 100,000 population are displayed in Table 8 in the Summary of Vital Events (pp. 18-22) and Figure 6. Heart disease, cancer and stroke (cerebrovascular disease) together accounted for 70 percent of all Wisconsin deaths in 1977.

In general, the leading causes were similar for males and females. The cause-specific rates for heart disease and cancer are higher among males than females (383.7 compared to 292.9; 192.4 compared to 158.1). However, for cerebrovascular disease; the rate is higher among females (95.4) than among males (78.7)

Accidents were the leading cause of death for all ages from 1 to 34, accounting for 46.5 percent of all deaths in these years of life. Among persons aged 15 to 34, 53.8% of male decedents and 35.3% of female decedents died from accidental causes. 61.9% of the 648 male decedents in the age group 15-24 died in accidents, and over 71% of these accidental deaths (401) were due to motor vehicle accidents.

Cancer is the second leading cause of death overall for all ages for both males (20.3%) and females (21.1%). However, in the male 25-34 age group, it is third while cancer remains second for females. Suicide is more frequent than cancer among males 15-34 (16.8% as compared to 8.2%) although this was not true among females (15.1% as compared to 13.8%).

Between ages 35 and 64, cancer was the leading cause of death among females, accounting for 42.7% of deaths in this age range. Among males, however, the leading cause of death at all ages over 34 was heart disease. This cause accounted for 40.5% of all deaths to men in the middle adult years --35-64. These differences regarding the order of importance of certain diseases between the sexes begin to fade away at age 55, as heart disease, cancer and cerebrovascular disease completely dominate the leading causes of death.

Figure 6
LEADING CAUSES OF DEATH BY SEX
Wisconsin, 1977
(Resident Data)

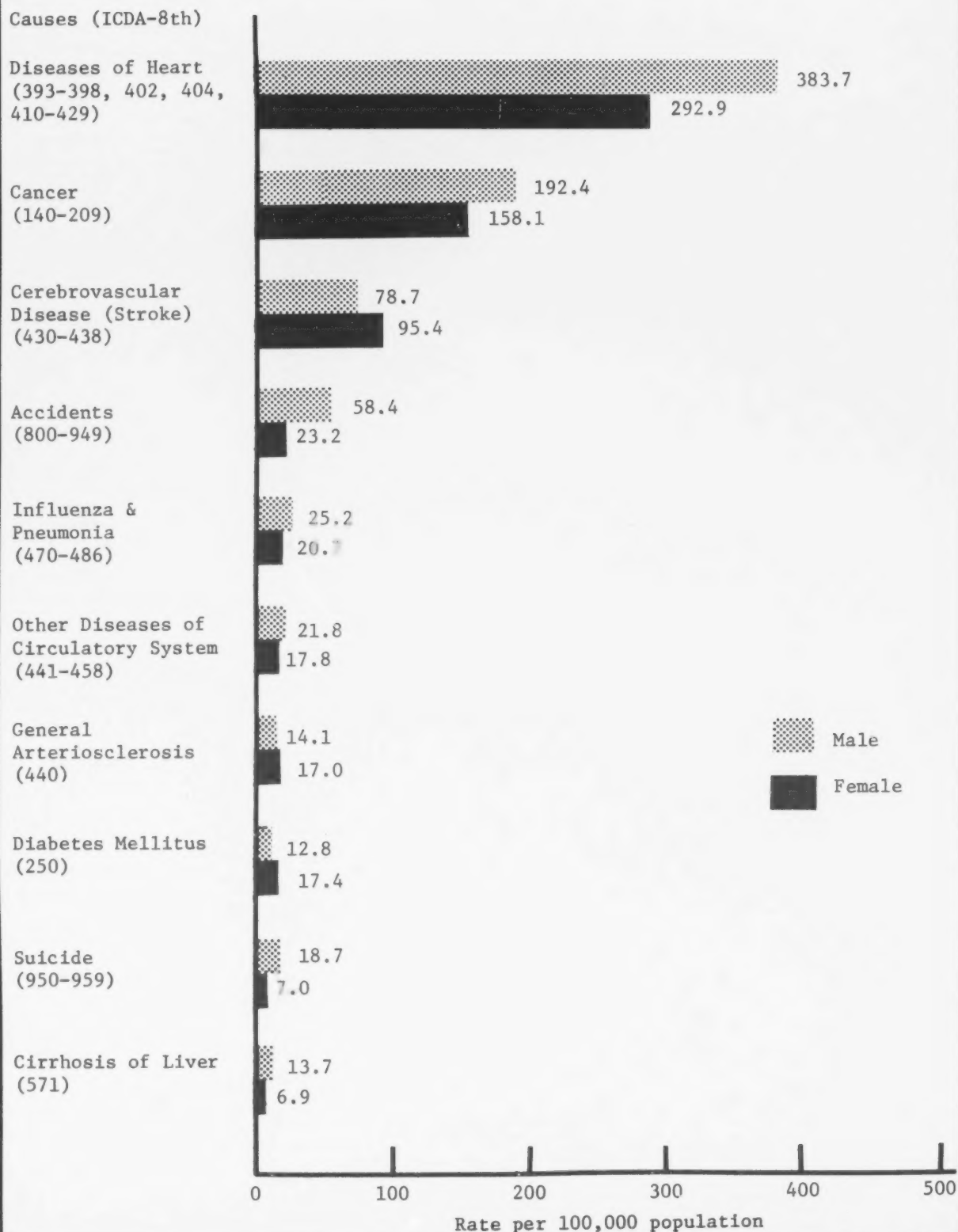


Table 24

INFANT DEATHS* BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 1 of 2 pages

(Resident Data)

Cause of Death	Under 1 year			Under 1 day ^{a)}		Under 7 days ^{a)}		Under 28 days ^{a)}	
	Total	Male	Female	M	F	M	F	M	F
Total - all causes	774	451	323	153	121	252	177	296	217
I. Infective and parasitic diseases 000-136	27	16	11		2	5	4	6	9
004,006-009 Dysentery--all forms incl. newborn	9	4	5			1	1	2	5
012 Other respiratory tuberculosis	1	1							
036 Meningococcal infection	5	5							
038,309 Septicemia, pyemia/other bacterial	11	6	5		2	4	3	4	4
045 Aseptic meningitis due to enterovirus	1		1						
II. Neoplasms 140-239	5	2	3		1		1		1
140-209 Neoplasms, malignant	3	2	1						
140-209 Neoplasms, exc. 201,204-207 Hodgkin's disease, leukemia & aleukemia	3	2	1						
191 Malignant neoplasm of brain	1	1							
199 Malignant neoplasms w/o specification of site	2	1	1						
204-207 Leukemia and aleukemia	-								
210-228 Benign neoplasms	2		2		1		1		1
III. Endocrine system, metabolic and nutritional diseases 240-279	7	3	4				1	1	1
253 Diseases of pituitary gland	1	1						1	
254 Diseases of thymus gland	1	1							
255 Diseases of adrenal glands	-								
258 Polyglandular dysfunction & other diseases of endocrine glands	1		1				1		1
260-269 Avitaminosis/other deficiency states	-								
272,273,279 Allergic disorders, all other endocrine & metabolic disease	4	1	3						
IV. Diseases of blood & blood forming organs 280-289	-								
280-285 Anemias	-								
286-289 Other of blood/blood forming organs	-								
V. Mental retardation 310-315	-								
315 Unspecified mental retardation	-								
VI. Diseases of nervous sys. & sense organs 320-389	16	6	10					1	1
320 Meningitis	9	1	8					1	1
321,323, Others of nervous system and									
330,347,381 sense organs	7	5	2						
VII. Diseases of circulatory system 390-458	18	12	6	1		1		2	3
413 Angina pectoris	1		1						1
422,427 Other diseases of the heart	11	10	1						1
430-438 Cerebrovascular disease	-								
423,425, Other diseases of									
426,428 circulatory system	6	2	4	1		1		2	1
VIII. Diseases of upper respiratory system 460-519	38	26	12	1		6	3	7	3
460-466 Acute infections exc. influenza	3	3							
470-486 Influenza & pneumonia	29	20	9	1		6	2	7	2
470-474 Influenza	-								
480-486 Pneumonia, incl. newborn	29	20	9	1		6	2	7	2
490,491 Bronchitis	-								
510-519 All other respiratory disease	6	3	3				1		1

a). These categories are not exclusive and cannot be added horizontally.

* This table is not comparable to other infant death tables because of a difference in source. The infant death data in this table are from death records only.

Table 24 (Cont.)

INFANT DEATHS* BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 2 of 2 pages

(Resident Data)

Cause of Death	Under 1 year			Under 1 day ^{a)}		Under 7 days ^{a)}		Under 28 days ^{a)}	
	Total	Male	Female	M	F	M	F	M	F
IX. Diseases of the digestive system 520-577	10	6	4			2	1	5	1
540 Acute appendicitis	1	1						1	
550-553,560 Intestinal obstruction & hernia	4	2	2			1	1	2	1
571 Cirrhosis of liver	-								
571.8, .9 w/o mention of alcoholism	-								
561,567, 571,573 Other diseases of digestive system	5	3	2			1		2	
X. Diseases of genitourinary system 580-629	1		1				1		1
580 Acute nephritis	1		1				1		1
XIII. Diseases of musculoskeletal system and connecting tissues 710-738	-								
733 All other diseases of bone and musculoskeletal system	-								
XIV. Congenital malformations 740-759	181	97	84	28	30	56	43	70	59
741 Spinal bifida and meningocele	3	2	1	1		2		2	
742 Congenital hydrocephalus	11	3	8	2	5	2	5	2	6
746,747 Congenital malformations of circulatory system	70	39	31	2	2	18	13	26	19
740,743,745,748, 749,750-759 All other congenital malformations	97	53	44	23	23	34	25	40	34
XV. Certain causes of mortality in early infancy 760-779	330	197	133	123	87	181	121	196	132
764-768 .0-.3, 772 Birth Injury	25	14	11	3	2	14	10	14	11
764-768 .4,.9, 776 Anoxic/hypoxic conditions	135	81	54	38	28	71	49	80	53
760-763, 769-771, 773-775, 777-779 Other	170	102	68	82	57	96	62	102	68
XVI. Symptoms and ill-defined causes of mortality 780-796	116	72	44				1	7	4
782 Cardiovascular & lymphatic system	1		1						
783 Symptoms to respiratory system	2		2						
788 Other general symptoms	2		2						
795,796 Ill-defined and unknown	111	72	39				1	7	4
XVII. Accident, poisonings and violence 800-999	25	14	11		1	1	1	1	2
800-949 Total accidents	17	11	6			1		1	
** Home accidents	10	8	2						
810-823 Motor vehicle	3	1	2						
860-869 Other solid & liquid substances	1	1							
880-887 Falls	-								
890-899 Fire and flames	1	1							
910 Drowning	1	1							
911-912 Inhalation & ingestion causing obstruction and suffocation	7	4	3						
913 Mechanical suffocation	2	1	1						
932 Complications in diagnostic procedures	2	2				1		1	
960-969 Homicide--not in war	5	1	4		1		1		1
988 Undetermined injury, accidentally or purposely inflicted	2	2							
All other	1		1						1

a). These categories are not exclusive and cannot be added horizontally.

* This table is not comparable to other infant death tables because of a difference in source. The infant death data in this table are from death records only.

** Included in total accidents.

Table 25

FETAL AND INFANT DEATHS BY BIRTHWEIGHT GROUP AND AGE OF MOTHER
WHITE AND NONWHITE
Wisconsin, 1977

(Resident Data)

P. 1 of 2 pages

TOTAL

Age of Mother	Fetal Deaths*				Infant Deaths**												
					Under 1 year				Under 1 day			Under 7 days			Under 28 days		
	Total	1000 or less grams	1001 2500 grams	2501+ grams	Total	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.
Under 15	-				3	2	1		1			1			1		
15	3	3			5	3	2		2			2			3	1	
16	11	7	3	1	12	6	5	1	4			6	2	1	6	2	1
17	11	4	5	2	34	20	13	1	9		1	14	3	1	18	4	1
18	26	8	11	7	35	21	14		9	2		15	2		19	3	
19	23	8	9	6	73	41	29	3	17	3	1	31	3	2	34	7	3
20	26	13	6	7	54	26	28		11	4		14	6		17	7	
21	27	14	6	7	64	41	22	1	22	5	1	32	5	1	35	7	1
22	23	9	7	7	54	31	22	1	16	2	1	24	6	1	28	10	1
23	34	15	12	7	45	23	22		10	6		15	9		18	12	
24	34	9	14	11	52	28	24		18			23	8		26	13	
25-29	149	44	41	64	194	107	82	5	63	14	3	79	33	5	87	45	5
30-34	68	21	19	28	83	45	37	1	28	2		32	13	1	37	16	1
35-39	34	11	9	14	27	14	13		6	1		12	4		13	6	
40-44	7	3	2	2	5	3	2		2	1		2	1		2	1	
45+	-																
Unknown	2			2	34			34			9			20			22
Total	478	169	144	165	774	411	316	47	218	40	16	302	95	32	344	134	35

WHITE

Under 15					1	1			1			1			1		
15	1	1			3	2			2			2			2		
16	6	5	1		11	6	4	1	4			6	2	1	6	2	1
17	7	2	4	1	27	18	8	1	9		1	14	2	1	17	3	1
18	21	6	8	7	34	20	14		9	2		15	2		18	13	
19	21	7	8	6	60	32	25	3	13	3	1	25	3	2	26	6	3
20	24	12	6	6	42	21	21		9	2		11	4		14	5	
21	22	9	6	7	54	35	18	1	18	4	1	27	4	1	30	6	1
22	22	8	7	7	49	28	20	1	15	2	1	23	5	1	27	9	1
23	28	13	9	6	39	20	19		8	5		12	8		15	1	
24	32	9	14	9	45	25	20		16			20	7		23	11	
25-29	134	37	39	58	182	100	78	4	62	14	2	78	32	4	85	44	4
30-34	64	19	18	27	77	40	36	1	24	2		28	13	1	33	15	1
35-39	33	11	9	13	22	10	12		3	1		9	4		9	6	
40-44	6	2	2	2	5	3	2		2	1		2	1		2	1	
45+																	
Unknown	2			2													
Total	423	141	131	151	651	361	278	12	195	36	6	273	87	11	308	122	12

*World Health Organization Weight Classification.

The primary criterion for classifying fetal deaths is weight but when this is not given the length of gestation is used and assigned to the appropriate weight category.

**This table is not comparable to other infant deaths tables because of a difference in source. The infant death data in this table are from matched death and birth records.

Definitions: Immature: 2500 grams or less (5 lbs. 8 oz. or under)
Mature: 2501 grams or more (more than 5 lbs. 8 oz.)

Table 25 (Cont.)

FETAL AND INFANT DEATHS BY BIRTHWEIGHT GROUP AND AGE OF MOTHER
WHITE AND NONWHITE
Wisconsin, 1977

(Resident Data)

P. 2 of 2 pages

NONWHITE

Age of Mother	Fetal Deaths*				Infant Deaths**												
					Under 1 year				Under 1 day			Under 7 days			Under 28 days		
	Total	1000 or less grams	1001- 2500 grams	2501+ grams	Total	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.	Prem	Term	Unk.
Under 15					2	1	1										
15	2	2			2	1	1								1	1	
16	5	2	2	1	1		1										
17	3	2		1	7	2	5						1		1	1	
18	5	2	3		1	1									1		
19	2	1	1		13	9	4		4			6			8	1	
20	1			1	12	5	7		2	2		3	2		3	2	
21	5	5			10	6	4		4	1		5	1		5	1	
22	1	1			5	3	2		1			1	1		1	1	
23	6	2	3	1	6	3	3		2	1		3	1		3	1	
24	2			2	7	3	4		2			3	1		3	2	
25-29	13	5	2	6	12	7	4	1	1		1	1	1	1	2	1	1
30-34	4	2	1	1	6	5	1		4			4			4	1	
35-39	1			1	5	4	1		3			3			4		
40-44																	
45+																	
Unknown																	
Total	50	24	12	14	89	50	38	1	23	4	1	29	8	1	36	12	1

UNKNOWN

17	1		1														
18																	
19																	
20	1	1															
21																	
22																	
23																	
24																	
25-29	2	2															
30-34																	
35-39																	
40-44	1	1															
45+																	
Unknown					34			34			9			20			22
Total	5	4	1		34			34			9			20			22

*World Health Organization Weight Classification.

The primary criterion for classifying fetal deaths is weight but when this is not given the length of gestation is used and assigned to the appropriate weight category.

**This table is not comparable to other infant deaths tables because of a difference in source. The infant death data in this table are from matched death and birth records.

Table 28

DEATHS BY MAJOR CAUSES, BY COUNTY
Wisconsin, 1977

P. 1 of 9 pages

(Resident Data)

County	All Causes of Death			Tuber- culosis all forms	Septicemia and other bacterial diseases	All other infective, parasitic diseases	Malignant Neoplasms-Site or Type		
	Total	Male	Female				Total 140-209 & Other	Buccal cavity & pharynx 140-149	Esophagus 150
State Total	39,325	21,597	17,728	34	115	131	8,124	175	134
Adams	134	80	54				30		1
Ashland	228	121	107				46		
Barron	383	217	166		1		68	1	1
Bayfield	165	94	71				33	1	
Brown	1,129	627	502		2	4	201	5	1
Buffalo	146	90	56		1		26		
Burnett	128	80	48			1	24		1
Calumet	210	132	78			2	47	2	
Chippewa	448	250	198				79		2
Clark	317	179	138		1	2	56		
Columbia	423	219	204			1	80		3
Crawford	163	98	65		2		30		
Dane	1,788	973	815	2	6	4	390	11	6
Dodge	679	376	303		2	1	142	4	4
Door	272	165	107			1	58		1
Douglas	423	231	192		1	2	81	4	1
Dunn	226	131	95		1		38		
Eau Claire	620	333	287		2	3	122	3	2
Florence	48	33	15			1	7		
Fond du Lac	791	401	390		1	2	170	6	
Forest	115	72	43		2	2	23		
Grant	469	247	222			2	77	3	
Green	309	183	126			2	63	2	
Green Lake	231	126	105	1	2	2	45	3	
Iowa	201	113	88		1		31		
Iron	101	59	42			1	26		
Jackson	206	121	85				34		
Jefferson	574	323	251		4	5	110		2
Juneau	202	110	92				41		2
Kenosha	1,008	551	457	1	4	2	190	5	1
Kewaunee	205	134	71				49		1
La Crosse	749	389	360		2	2	159	7	4
Lafayette	156	86	70				28	1	
Langlade	201	102	99	1		1	38	1	
Lincoln	280	155	125			2	53	2	2
Manitowoc	704	382	322	2	3		148	2	3
Marathon	786	454	332		4	3	185	5	
Marinette	450	261	189	1			93	1	2
Marquette	128	65	63		1		24		
Menominee	31	17	14			1	2		
Milwaukee	9,045	4,851	4,194	14	43	36	2,018	61	42
Monroe	324	193	131		1		66		1
Oconto	325	196	129	2	1	1	73	1	2
Oneida	312	161	151		1		77	1	1
Outagamie	924	460	464		3	4	178	3	4
Ozaukee	391	213	178	1			90	1	4
Pepin	75	40	35				16		
Pierce	231	139	92			3	40		1
Polk	320	192	128			1	63		1
Portage	375	194	181		1		85		
Price	151	86	65				25	2	1
Racine	1,343	730	613	2	4	7	273	6	5
Richland	156	78	78			1	38	2	2
Rock	1,097	546	551	2	1	6	234	4	4
Rusk	140	85	55		1	1	23		
St. Croix	328	173	155		1	2	68		
Sauk	438	247	191		1	1	63		2
Sawyer	141	96	45		1		24	1	
Shawano	396	237	159				80	2	
Sheboygan	948	523	425		2	1	215	4	6
Taylor	175	105	70			1	31	2	
Trempealeau	306	166	140	1	1		61	1	1
Vernon	325	169	156				62		
Vilas	183	113	70		1		43		
Walworth	600	317	283			1	114	1	2
Washburn	157	100	57				30		
Washington	548	309	239		4		106	2	2
Waukesha	1,480	809	671	2	3	7	325	2	8
Waupaca	483	317	166			2	85	3	1
Waushara	195	119	76				40		
Winnebago	1,076	557	519	1	2	3	220	3	3
Wood	510	296	214	1	2	4	111	4	1

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
Wisconsin, 1977

P. 2 of 9 pages

(Resident Data)

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(resident data)

	Malignant Neoplasms - Site or Type							
		Large Intestines, except rectum		Liver, bile ducts, gallbladder		Respiratory except lung, trachea & bronchus	Trachea, lung & bronchus	
	Stomach		Rectum		Pancreas			Breast
County	151	153	154	155,156	157	160,161,163	162	174
State Total	310	941	226	164	436	96	1,571	818
Adams		4	2		1		12	2
Ashland	4	6	3	2			7	8
Barron	3	10	1		4	1	11	9
Bayfield		4	1	2			9	4
Brown	8	31	3	4	9	2	38	19
Buffalo	2	1	1		2		5	5
Burnett	4	2	2				3	2
Calumet	3	3	2		6		4	5
Chippewa	2	12	3	2	5	3	14	6
Clark		7		4	3	1	11	5
Columbia	2	8	2	1	2	2	17	9
Crawford	1	8	1	1			6	2
Dane	17	39	9	6	18	5	76	49
Dodge	7	18	2	4	14		21	15
Door	3	7	4	1	3	1	9	6
Douglas	2	7	3	2	6	1	16	4
Dunn	3	4		2	2	1	5	5
Eau Claire	6	14	4	4	4		26	12
Florence	1	2					1	
Fond du Lac	8	13	10	5	9		21	25
Forest	1	1					5	2
Grant	2	12		2	2		12	6
Green	4	6		1	3		14	4
Green Lake	1	7	3	1	3	1	4	5
Iowa		7		1	4	1	5	3
Iron		3	1	1	1	1	5	1
Jackson	1	1			6	1	5	3
Jefferson	3	21	4	1	7		10	9
Juneau	1	7	2	3	5		7	3
Kenosha	5	26	3	2	9	5	51	15
Kewaunee	2	5		1	2		6	9
La Crosse	7	18	4	3	9	4	29	19
Lafayette	1	2			1	1	4	3
Langlade	3	2	1		3	2	5	1
Lincoln		7	1	1	1		11	9
Manitowoc	4	15	2	2	10	1	19	14
Marathon	9	19	3	4	8	3	42	17
Marinette	3	6	2	2	6		20	6
Marquette	3	3	1	1			6	3
Menominee					1			
Milwaukee	60	243	52	36	98	30	435	209
Monroe	4	1	1	1	3		11	6
Oconto	2	9			7	2	11	7
Oneida	4	11	2	2	2		17	5
Outagamie	8	15	12	1	10	3	34	23
Ozaukee	3	6	2	4	3		22	9
Pepin		2			1			1
Pierce		2		1	2		8	7
Polk	4	7	1	2	2		14	5
Portage	7	9	3		7	2	14	7
Price	2	2	1		1	2	3	3
Racine	16	22	7	6	21	3	55	36
Richland	2	7	1				7	3
Rock	8	32	5	7	14	2	46	21
Rusk	1	4		1	1		6	1
St. Croix		9	1		6		18	4
Sauk	2	10	2		6		15	6
Sawyer	2	3			1		10	1
Shawano	2	10	1	1	6	3	11	7
Sheboygan	7	35	14	8	10	1	30	21
Taylor	2	1		1			7	4
Trempealeau	1	7	2	1	1		7	10
Vernon	1	12	2	2	4		7	4
Vilas	2	4	2	2	2	1	12	2
Walworth	6	6	3	4	7	2	27	11
Washburn	3	3	1		1		14	2
Washington	2	11	4	5	3	1	18	9
Waukesha	17	38	10	4	13	2	60	32
Waupaca	4	8	3	3	9	1	16	5
Waushara		3	4		2	3	9	3
Winnebago	9	29	3	3	14		38	24
Wood	3	12	7	3	10	1	17	6

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
Wisconsin, 1977

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(Resident Data)

County	Malignant Neoplasms - Site or Type							All other
	Cervix uteri, ovary & other female genital organs	Prostate & other male genital organs	Bladder	Kidney & other urinary organs	Brain	Leukemia and aleukemia	Lymphosarcoma and hematopoietic tissue	
	180-184	185-187	188	189	191	204-207	200-203, 208,209	
State Total	466	487	236	198	170	353	485	858
Adams	4	1				1		2
Ashland	1	4	1	3		1	2	4
Barron	2	3	4	1	3	4	5	5
Bayfield		1		1	1	2	4	3
Brown	13	16	4	4	3	9	6	26
Buffalo	1	2		1	1	1	2	2
Burnett	1	1			1		5	2
Calumet	2	4	3	1	2	6	1	3
Chippewa	2	6	3	1	2	4	4	8
Clark	4	5	1	2	3	3	3	4
Columbia	2	6	1	1		3	6	15
Crawford	1	1		2	1	2	2	2
Dane	22	27	7	11	8	13	27	39
Dodge	5	10	5	5	1	4	6	17
Door	4	2	4	1		6	2	4
Douglas	4	5	5	4	3	3	4	7
Dunn	1	1			3	3	6	2
Eau Claire	8	10	1	1	1	8	6	12
Florence							1	2
Fond du Lac	12	9	7	4	6	8	10	17
Forest	1	4		2			4	3
Grant	5	6	2	4	1	6	5	9
Green	7	7	1		2	2	5	5
Green Lake	1	6	1		2	3	2	2
Iowa	1	1		2	2		1	3
Iron	1	1		2	1	1	3	4
Jackson	2	4				6	2	3
Jefferson	10	9	4		1	6	7	16
Juneau	2	1	3			2		3
Kenosha	9	10	6	6	2	9	6	20
Kewaunee	1	3	3	1	1	5	3	6
La Crosse	11	5		2	2	11	8	16
Lafayette	2	6	1			1	3	2
Langlade	2	1	1	2		2	5	7
Lincoln	1	8	2		1			7
Manitowoc	14	6	7	2	3	8	13	23
Marathon	10	13	2	4	3	13	10	20
Marinette	6	10	1	2	1	4	5	16
Marquette			1	1	1		2	2
Menominee								1
Milwaukee	119	100	52	35	47	64	121	214
Monroe	6	7	3	4	2	2	5	9
Oconto	4	7	3	3	3	4	2	6
Oneida	6	4	4			6	4	8
Outagamie	11	5	9	6	1	9	11	13
Ozaukee	1	5	2	3	2	7	6	10
Pepin	3	3	1		3	1		1
Pierce	3	4	1			1	4	6
Polk	1	6	2	4	1	1	7	5
Portage	4	3	2		2	5	4	16
Price	1	1		3			1	2
Racine	13	13	11	6	5	11	15	22
Richland	1	7				1	3	2
Rock	13	14	10	4	8	9	17	16
Rusk	2	2	1	1			1	2
St. Croix	4	4	2	2		4	4	10
Sauk	2	6	1	3		1	1	6
Sawyer		1		1				4
Shawano	2	5	3	5	1	4	7	10
Sheboygan	13	9	7	4	4	5	14	23
Taylor	1	2	1		1	2	1	6
Trempealeau	3	6	1	4	4	6	2	4
Vernon	7	5	2	1	2	3	4	6
Vilas	4			1		2	4	5
Walworth	9	4	3	6	3	4	5	11
Washburn	1			2			1	2
Washington	7	9	5	3	2	8	7	8
Waukesha	21	16	13	9	5	18	20	37
Waupaca	6	2	5	1	2	3	4	9
Waushara		2			1	2	3	8
Winnebago	17	12	7	8	7	6	14	23
Wood	5	8	4	6	2	4	7	10

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
Wisconsin, 1977

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(Resident Data)

County	Neoplasms benign and unspecified	Endocrine, Nutritional, and Metabolic Diseases			Diseases of the Blood & Blood Forming Organs		Mental Disorders	Diseases of the nervous system and sense organs
		Diabetes mellitus	Avitaminoses, other nutritional deficiencies	Other metabolic diseases	Anemias	All other		
	210-239	250	260-269	270-279	280-285	286-289	290-315	320-389
State Total	71	703	74	156	50	39	242	397
Adams		4						1
Ashland		5		1				
Barron	1	7		1			1	4
Bayfield		1			1			3
Brown	2	27	1	3	2		1	10
Buffalo								1
Burnett							1	3
Calumet		3	1	2			4	8
Chippewa	1	8					4	3
Clark		14		1	1	1		5
Columbia	2	5		2		1	2	6
Crawford	2							1
Dane	6	22	3	9	2	1	8	27
Dodge	1	7	6	2	1		5	6
Door		5	4	1			2	4
Douglas	1	6	1	4			2	5
Dunn		3	3	3		1		2
Eau Claire		6		3			6	8
Florence	1	2				1		
Fond du Lac		18	2	3	1	3		9
Forest		1				2		1
Grant	3	2	1	1	2	1	1	
Green		4	1				3	
Green Lake		5		1	1	1	1	3
Iowa		3	2	1		1		
Iron		3		2				1
Jackson		2					2	3
Jefferson	2	14	1		1	3	1	4
Juneau		1	1					1
Kenosha		17	2	6	2	2	2	8
Kewaunee		6		1		1		
La Crosse	3	10	4	9	1		17	13
Lafayette		2					1	
Langlade		1	1	1			1	3
Lincoln	1	4				1	2	
Manitowish		11	2	4			2	3
Marathon	1	17	2	2			2	8
Marinette		12		2	1			7
Marquette	1	1	1	1			1	
Menominee		2					1	1
Milwaukee	18	188	11	34	18	5	87	92
Monroe		4	1	1			2	3
Oconto	1	5				1	3	4
Oneida		3		2		1	1	4
Outagamie		18	1	5	1		4	12
Ozaukee	1	9		4		1	1	5
Pepin	1	1						
Pierce			2	1			3	3
Polk	1	9	1	2	1	1		2
Portage		7	1	3		3	3	1
Price		9		1			1	
Racine	1	24	4	3	1	3	12	16
Richland		1		1		1	2	1
Rock	1	13	1	4	2	1	6	10
Rusk		3		2				
St. Croix	1	5	2		2		5	3
Sauk	1	13		2	1		5	5
Sawyer		1		1			2	1
Shawano		12		1	2		3	5
Sheboygan	2	18	3	7	1		6	6
Taylor		3					1	3
Trempealeau		8	3	1	1			4
Vernon		8		1	1		5	4
Vilas		2						3
Walworth	3	12	1	1	1		7	6
Washburn		1		1			1	2
Washington	3	12	1	4			2	4
Waukesha	5	17	1		1		2	11
Waupaca		7	1					5
Waushara	1	3		1		1	1	4
Winnebago	1	20	1	6		1	6	13
Wood	2	6		1	1		2	3

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
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(Resident Data)

County	Diseases of the Circulatory System							
	Rheumatic fever	Chronic rheumatic heart disease	Hypertension without mention of heart	Hyper-tension w/ heart disease	Acute ischemic heart disease	Chronic ischemic heart disease	Other ischemic heart disease	Chronic dis. of endocardium, myocardial insufficiency
	390-392	393-398	400(exc. 400.1) 401,403	400.1 402,404	410	412	411,413	424,428
State Total	6	284	132	227	6,332	7,281	79	98
Adams			1		32	21		
Ashland		1		1	42	39	2	
Barron		2	2	2	83	47		
Bayfield		2	1	1	31	20		1
Brown	1	4	3	5	138	183		3
Buffalo				2	41	27		1
Burnett			2	1	26	13		
Calumet			2	2	32	48		
Chippewa		2		1	106	77	1	2
Clark	1	3	1	1	57	38		
Columbia		3		1	92	84	2	
Crawford		2	1	1	16	22		
Dane		20	4	9	259	301	3	2
Dodge		5	2	4	115	134		1
Door		1	1		39	21		
Douglas		3	1	3	66	88	1	1
Dunn		1	1	1	48	46		1
Eau Claire		4	2	2	98	125	2	4
Florence					11	1		
Fond du Lac		3	3	6	118	161	3	2
Forest					17	14		
Grant		3		2	65	83	8	3
Green		1	1	5	58	72		
Green Lake		3	1	5	48	47	1	2
Iowa			1	1	47	20		
Iron				4	21	16		
Jackson		1	3		43	34		
Jefferson		2	1	1	99	107		1
Juneau				3	48	36		2
Kenosha		8	7	8	180	229	4	1
Kewaunee	2	2	1	1	51	19		1
La Crosse		7		4	100	155		
Lafayette		1		1	21	20		1
Langlade		1	1	1	17	30		
Lincoln		2		2	43	52		9
Manitowoc		6	5	5	174	105		4
Marathon		6	3	12	111	123		
Marinette			3	3	110	66		2
Marquette		1			24	15		
Menominee					6	2		
Milwaukee	1	77	20	54	1,135	2,030	15	13
Monroe			1	1	67	42	1	
Oconto		1	1	5	49	42		
Oneida		2		1	48	40		2
Outagamie		9	2	3	172	179	1	2
Ozaukee	1	1	2	3	75	59		2
Pepin		1		1	7	15		
Pierce		4	2	2	37	41		
Polk		5	4	1	65	49	1	2
Portage		1	1	1	31	106		1
Price		2			21	20	9	1
Racine		12	7	10	219	228	3	4
Richland					40	26		
Rock		12	2	7	174	187		2
Rusk			3		12	22		
St. Croix			3	3	52	49	1	1
Sauk		4		1	130	73		4
Sawyer		2		1	25	21		
Shawano		3	1	1	55	62	1	1
Sheboygan		7	5	7	122	185	1	3
Taylor		1	2	2	30	23	1	1
Trempealeau			1		49	54		2
Vernon		3			59	72		
Vilas				1	26	23		
Walworth		6	4	6	110	97	3	5
Washburn		1			33	27	1	
Washington		7	3	2	69	96		3
Waukesha		8	4	4	279	268	3	1
Waupaca		5	2	1	95	83		1
Waushara			1	1	49	34		1
Winnebago		5	4	5	175	201	4	1
Wood		5	3	2	89	86	7	1

Table 28 (Cont.)
DEATHS BY MAJOR CAUSES, BY COUNTY
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(Resident Data)

County	Diseases of the Circulatory System					Diseases of the Respiratory System				
	Cerebro-vascular disease	Arterio-sclerosis	Other diseases/arteries, arterioles	Disease of veins and lymphatics, & circ.svs.	All other forms of heart disease	Influenza	Pneumonia	Bronchitis, chronic and unqualified	Emphy-sema and asthma	Other
	430-438	440	441-448	450-458	420-423, 425-427, 429	470-474	480-486	490, 491	492, 493	
State Total	4,050	723	596	323	1,375	65	998	56	299	663
Adams	10	2		1	9		3		1	
Ashland	27	3	4	3	13		10		1	5
Barron	46	9	5	7	16		8		5	7
Bayfield	18	2	5	2	7		2		4	7
Brown	134	27	21	6	117	4	25		14	18
Buffalo	7	1	3	1	7		4		2	2
Burnett	16	3	2		7		2		7	1
Calumet	12	2	1	2	7		4		4	5
Chippewa	50	5	9	2	9	1	16		2	6
Clark	30	8	7	2	18	3	9		2	7
Columbia	36	7	9	1	11		11		1	5
Crawford	12	2	1	2	25		8		2	4
Dane	182	28	35	12	72		49	3	13	35
Dodge	59	15	10	9	21	2	22		2	6
Door	34	2	3	2	14	1	4	1	2	5
Douglas	34	14	9	6	13	1	8	1	6	6
Dunn	20	1	6		6	2	7	2	4	4
Eau Claire	71	11	9	2	10	1	22	1	6	6
Florence	8	3	1		1				1	3
Fond du Lac	68	19	18	7	22	8	17	2	8	9
Forest	19	1	2		9	2	1			2
Grant	67	20	3	7	18	3	17	1	8	11
Green	35	2	6	3	4		9			7
Green Lake	19	2	3	1	9	4	4	1	2	3
Iowa	36	7	2	3	2	1	3		2	4
Iron	9		3		2		4			1
Jackson	22	7	2	1	5		13			4
Jefferson	69	22	7	5	17		6		7	5
Juneau	19	3	1		4		5			4
Kenosha	98	16	14	3	13	1	28	1	10	14
Kewaunee	17	9	6		7		1		3	1
La Crosse	56	7	17	6	16		24	3	5	17
Lafayette	21	1	2	1	6		7		1	6
Langlade	24	1	4	2	54	1	4	1	1	5
Lincoln	29	2	6	6	6	1	3		1	7
Manitowoc	72	6	10	10	17		16	2	6	11
Marathon	69	8	14	10	60	2	13		5	16
Marinette	43	12	9	3	10		8	1	6	7
Marquette	25	2	1	3	3		6			2
Menominee	1	1			1		2			
Milwaukee	880	141	112	75	203	1	232	13	49	179
Monroe	41	3	5	1	13		13		2	15
Oconto	44	6	8	2	30	1	5	1	1	2
Oneida	36	5	7	2	27		18		2	6
Outagamie	96	15	18	4	22	3	19	2	9	12
Ozaukee	38	9	5	3	9	3	5		3	8
Pepin	9	1			7		5		1	2
Pierce	23	2	2	2	6	1	10	1	1	5
Polk	33	10	4	3	9		5	1	1	1
Portage	38	5	5	3	8		8		2	5
Price	14	3	4	1	14				1	
Racine	146	24	20	8	31	2	22	2	11	21
Richland	17	3	3		2		2		1	2
Rock	116	26	24	9	49		29	1	20	15
Rusk	15	4	1	2	18		4		2	2
St. Croix	35	8	3	1	9	2	14			5
Sauk	38	4	5	5	7		5		4	8
Sawyer	11		3	2	13		4		1	1
Shawano	44	18	4	1	27	3	5		4	6
Sheboygan	105	25	12	9	22	3	29	3	10	15
Taylor	13	7	1	1	9	2	7		1	1
Trempealeau	30	10	3	5	10		10		2	7
Vernon	38	5	6		13		9			5
Vilas	14	4	4	3	24		6	1	2	
Walworth	74	9	5	8	14	1	5	1	1	13
Washburn	25	6	4		1		3		2	4
Washington	51	15	15	6	18	1	10	4	3	4
Waukesha	132	18	17	24	29		62	3	7	23
Waupaca	63	7	3	2	26	1	11	1	3	4
Waushara	22	4	2	1	4	1	3		1	2
Winnebago	119	21	16	7	43	2	24	1	6	19
Wood	66	12	5	2	10		9	1	2	3

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
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(Resident Data)

County	Diseases of the Digestive System				Diseases of the Genitourinary System			
	Ulcer-stomach, duodenum; peptic and gastrojejunal	Cirrhosis of liver		Other	Nephritis and nephrosis	Infection of kidney	Hyperplasia of prostate	Other
		with alcoholism	w/o mention of alcohol					
	531-534	571.0	571.8,.9		580-584	590	600	601-629
State Total	131	208	267	636	136	72	34	234
Adams		1		1	1		1	1
Ashland	1			2			1	2
Barron	3	2	2	7			3	2
Bayfield				4			1	
Brown	5	8	10	19	3	1		7
Buffalo				5		1		1
Burnett				2				
Calumet	2	1		4	1	1		1
Chippewa	2	1	4	3	1			1
Clark	1		1	5	1			
Columbia	1	3	1	7	2	1	1	3
Crawford		2	1	1	2			1
Dane	3	14	7	24	5	1		14
Dodge	5	4	5	19	3	3		3
Door		2	2	3		1		2
Douglas	1	2	9	7	1	1		2
Dunn			1	2	1			
Eau Claire	2	2	10	6	1	2	1	
Florence						1		
Fond du Lac	1	3	2	20	3			5
Forest			1	2			1	1
Grant	3	4	2	7	2		1	3
Green	2		1	4			1	1
Green Lake		1	1	3	1			
Iowa	1	2		3				1
Iron				4				
Jackson			1	3		1		1
Jefferson	1	1	6	11	2		1	3
Juneau	2	3	1	5				2
Kenosha	4	4	18	7	2	3		4
Kewaunee			1	3				1
La Crosse	5	3	8	8	5	3		6
Lafayette	3		1	4	1	1		2
Langlade	1		1	6			2	
Lincoln		2	3	6			1	2
Manitowoc	2	4	1	13	1		1	4
Marathon	1	5	4	9	2	2		6
Marinette	1	3	1	10	2			1
Marquette				2	2	2		1
Menominee		2	2					
Milwaukee	24	66	76	161	46	15	4	61
Monroe	1	1		6	1	2		4
Oconto	1	1	1	6	1			3
Oneida		1	1	2				1
Outagamie	2	4	6	16	5	2		3
Ozaukee	1	1	2	11		1	1	
Pepin				2				1
Pierce			1	4	2			2
Polk	1			3	3	2	2	1
Portage	1	2	2	6	1			2
Price				6	2			2
Racine	5	10	9	19		3	1	9
Richland	1	1		1	1			2
Rock	3	4	9	16	1	7	2	6
Rusk	1	1		1				2
St. Croix	5		1	2	1			2
Sauk	2	1	4	8	4			2
Sawyer	1	2	2	5				2
Shawano	3		2	7	3	3		3
Sheboygan	3	4	9	19	3	2	2	10
Taylor		2	1	2			1	1
Trempealeau		2	2	6	1			1
Vernon	2		2	2		1		
Vilas				5				2
Walworth	1	4	4	8	1	3	1	2
Washburn	1		2	1				
Washington	1	5	4	13	1	1		5
Waukesha	10	4	7	24	6	1	2	9
Waupaca	1	2	3	8	4			3
Waushara		3	1	2	1			1
Winnebago	5	6	6	6	3	3	1	7
Wood	2	2	2	7		1	1	1

Table 28 (Cont.)

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(Resident Data)

	Complications of Preg., Childbirth & Puerperium		Diseases of the skin & subcutaneous tissue	Diseases Muscu- loskeletal System & Conn. Tissue	Congenital anomalies	Certain Causes of Perinatal Morbidity & Mortality		
	Abortions	Other				Birth injuries	Anoxic & hypoxic conditions	Other
County	640-645		680-709	710-738	740-759	764-768: .0-.3,772	764-768: .4-.9,776	
State Total		7	32	145	283	25	135	170
Adams				2	1			
Ashland				2	1			
Barron				3	2		3	2
Bayfield			1		2			
Brown			1	5	6	3	4	7
Buffalo				2				
Burnett			1	1	1			1
Calumet				1	2	1		
Chippewa				1	3	1	5	1
Clark				2	2			6
Columbia				2	2		1	
Crawford				2	2		1	1
Dane			1	5	22	1	4	7
Dodge				1	9		2	2
Door		1			2	1		
Douglas				2	2		1	
Dunn					2		1	2
Eau Claire				4	4	3	1	7
Florence								
Fond du Lac			2	1	8	1	2	5
Forest				1				
Grant			1	1	2	2	2	1
Green								1
Green Lake					1			
Iowa				3	2		1	
Iron				1				
Jackson			1	2	1	1	2	
Jefferson				3	4		1	3
Juneau					2			3
Kenosha			1	1	6	1	3	4
Kewaunee								
La Crosse			1	7	6		1	4
Lafayette								1
Langlade					1		1	
Lincoln		1		2	3		2	1
Manitowoc				2	2	2	2	1
Marathon		1	1	1	9		5	5
Marinette				1	2		1	2
Marquette							1	
Menominee								
Milwaukee		2	9	32	69	4	26	42
Monroe					1			1
Oconto					2		1	
Oneida				2	3		3	
Outagamie				2	7	1	5	4
Ozaukee					4			3
Pepin					1			
Pierce					1	1		1
Polk				3			1	1
Portage		1		1	3		2	2
Price							1	
Racine			4	3	12		7	8
Richland				1	1			1
Rock				2	8		6	2
Rusk					2		1	
St. Croix			1	1	6		1	1
Sauk				3	4		1	2
Sawyer		1	1	1			1	
Shawano					1		1	1
Sheboygan			1	3	5		4	4
Taylor			1	1				2
Trempealeau				1	2		1	2
Vernon				1	1			2
Vilas					2		1	1
Walworth				7	6		4	3
Washburn							2	
Washington			2	4	5		3	3
Waukesha			2	3	8		3	7
Waupaca				3	2		3	2
Waushara							1	1
Winnebago				7	9	2	7	3
Wood				3	4		2	4

Table 28 (Cont.)

DEATHS BY MAJOR CAUSES, BY COUNTY
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(Resident Data)

County	Accidents, Poisonings, and Violence					
	Ill-Defined conditions	Motor vehicle	All other accidents 800-807,825- 827,830-949	Suicide	Homicide and legal intervention	Operations of war and undetermined violent deaths
	780-796	810-823		950-959	960-978	980-999
State Total	434	935	947	591	148	32
Adams		2	7	2		
Ashland	8	1	3	3	1	
Barron	4	7	15	4	2	
Bayfield	5	6	3	2		
Brown	15	33	34	10	1	1
Buffalo	1	7	3			
Burnett	1	4	5	2		1
Calumet	1	10	3	3		
Chippewa	6	15	10	5		
Clark	4	14	9	4		
Columbia	4	10	14	7	2	
Crawford	4	6	5	1	1	
Dane	19	53	46	48	6	1
Dodge	5	20	15	2	1	
Door	34	3	11	4	1	
Douglas	5	10	12	3	1	
Dunn		6	6	3		1
Eau Claire	2	9	27	13		
Florence		1	2	3		
Fond du Lac	7	17	16	12	2	1
Forest		3	3	5		
Grant	4	10	12	2	1	
Green	1	10	7	4	1	
Green Lake		7	1	1		
Iowa	1	6	7	6		
Iron		1	1		1	
Jackson	2	7	6	2		
Jefferson	5	17	18	4		
Juneau	2	5	4	4		
Kenosha	5	36	21	10	6	1
Kewaunee	7	8	4	3		
La Crosse	4	20	21	8	2	
Lafayette	5	6	9	3		
Langlade	4	5	4	1	1	
Lincoln	3	14	3	4	1	
Manitowoc	6	15	17	6	1	
Marathon	6	22	22	8	1	
Marinette	3	8	11	4	1	
Marquette	1	2	1	2	2	
Menominee		1	3	1	2	
Milwaukee	78	104	188	158	67	19
Monroe	4	5	8	5	1	1
Oconto	1	6	5	5	3	
Oneida	1	3	5	4	1	
Outagamie	3	33	18	17	2	
Ozaukee	5	7	7	8	1	1
Pepin		2	2			
Pierce	1	8	8	5	2	
Polk	2	11	11	8		
Portage	4	10	14	2	3	
Price	5	4	1	3		1
Racine	17	39	37	27	10	3
Richland	1	4	1			
Rock	13	20	26	16	2	
Rusk	2	7	7	1		
St. Croix	5	11	13	2	1	
Sauk	2	9	9	6	1	
Sawyer	1	5	4	1		
Shawano	4	12	12	4	1	
Sheboygan	7	19	23	5	1	
Taylor	2	12	6	2	1	
Trempealeau	6	5	9	4		
Vernon		7	9	7		
Vilas	3	5	1	5	1	
Walworth	7	12	14	12	3	
Washburn	1		5	3		
Washington	4	30	11	12		1
Waukesha	22	44	36	30	6	
Waupaca	20	15	6	3		
Waushara	1	4	1	1	1	
Winnebago	21	20	21	21	1	
Wood	7	25	8	5		

Table 30

DEATHS BY MAJOR CAUSE, SEX AND RACE
Wisconsin, 1977

(Resident Data)

Cause of Death	ICDA	Total		White		Black		Indian		Other		Unk.	
		Male	Fem.	M	F	M	F	M	F	M	F	M	F
Total		21597	17728	20986	17309	488	348	103	64	6	3	14	4
<u>Infective & Parasitic Diseases</u>	000-136	160	120	143	113	13	6	4	1				
Tuberculosis - all forms	010-019	24	10	19	10	4		1					
Septicemia and other bacterial diseases	038,039	62	53	59	51	3	2						
All other infective & parasitic diseases		74	57	65	52	6	4	3	1				
<u>Malignant Neoplasms</u>	140-209	4384	3740	4263	3661	110	71	10	7	1	1		
Buccal cavity and pharynx	140-149	117	58	115	57	2			1				
Esophagus	150	97	37	92	36	5	1						
Stomach	151	189	121	186	118	3	3						
Large intestines, except rectum	153	473	468	465	455	5	12	3	1				
Rectum	154	131	95	129	93	1	2	1					
Liver(primary), bile ducts, gallbladder	155,156	63	101	60	98	3	2		1				
Pancreas	157	243	193	236	189	6	4	1					
Respiratory except lung, trachea & bronchus	160,161,163	78	18	74	18	3		1					
Trachea, lung and bronchus	162	1227	344	1184	335	42	9	1					
Breast	174	7	811	6	801	1	8		2				
Cervix uteri, ovary & other fem. genital organs	180-184		466		457		9						
Prostate & other male genital organs	185-187	487		473		14							
Bladder	188	166	70	165	69	1	1						
Kidney and other urinary organs	189	124	74	122	74	1		1					
Brain	191	103	67	99	65	4	2						
Leukemia and aleukemia	204-207	202	151	201	148	2	1				1		
Lymphosarcoma & hematopoietic tissue	200-203,208,209	256	229	249	225	6	4	1					
All other malignant neoplasms		421	437	407	423	13	12		2	1			
<u>Neoplasms, benign and unspecified</u>	210-239	24	47	24	47								
<u>Endocrine, Nutritional, & Metabolic Diseases</u>	240-279	390	543	383	524	5	14	2	5				
Diabetes mellitus	250	292	411	286	392	4	14	2	5				
Avitaminoses, other nutritional deficiencies	260-269	34	40	34	40								
Other metabolic diseases		64	92	63	92	1							
<u>Diseases of the Blood & Blood Forming Organs</u>	280-289	46	43	44	42	2	1						
Anemias	280-285	27	23	26	22	1	1						
All other	286-289	19	20	18	20	1							
<u>Mental Disorders</u>	290-315	133	109	116	104	17	4		1				
<u>Diseases of the Nervous System & Sense Organs</u>	320-389	210	187	207	180	3	3		4				
<u>Diseases of the Circulatory System</u>	390-458	11428	10078	11226	9908	157	140	40	26	3	1	2	3
Rheumatic fever	390-392	2	4	2	4								
Chronic rheumatic heart disease	393-398	146	138	144	138	2							
Hypertension w/o ment. of hrt.	400(exc.400.1),401,403	69	63	68	61	1	1		1				
Hypertension w/heart disease	400.1,402,404	111	116	107	112	4	3		1				
Acute ischemic heart disease	410	3955	2377	3911	2345	28	26	13	5	2		1	1
Chronic ischemic heart disease	412	3592	3689	3510	3620	66	62	15	6		1		
Other ischemic heart disease	411,413	53	26	52	25	1			1				
Chronic dis.of endocardium, other myocard. insuf	424,428	46	52	46	52								
Cerebrovascular disease	430-438	1794	2256	1765	2213	22	33	6	8	1			2
Arteriosclerosis	440	321	402	314	399	6	2	1	1				
Other diseases of arteries, arterioles	441-448	345	251	342	249	3	2						
Dis. of veins & lymphatics, & dis. of circ.sys.	450-458	152	171	145	166	6	5	1					
All other forms of heart disease		842	533	820	524	18	6	4	3				
<u>Diseases of the Respiratory System</u>	460-519	1302	779	1262	770	32	7	8	2				
Influenza	470-474	23	42	23	42								
Pneumonia	480-486	551	447	534	440	10	5	7	2				
Bronchitis, chronic and unqualified	490,491	37	19	36	19	1							
Emphysema and asthma	492,493	234	65	228	65	6							
Other		457	206	441	204	15	2	1					
<u>Diseases of the Digestive System</u>	520-577	691	551	669	538	14	10	7	3			1	
Ulcer-stomach, duodenum; peptic & gastrojejunal	531-534	73	58	73	56		2						
Cirrhosis of liver	571	312	163	298	158	8	2	5	3			1	
w/alcoholism	571.0	150	58	141	56	5	1	3	1			1	
w/o mention of alcohol	571.8,.9	162	105	157	102	3	1	2	2				
Other		306	330	298	324	6	6	2					
<u>Diseases of the Genitourinary System</u>	580-629	285	191	272	180	9	10	4	1				
Nephritis and nephrosis	580-584	84	52	77	46	5	6	2					
Infection of kidney	590	31	41	31	41								
Hyperplasia of prostate	600	34		33		1							
Other		136	98	131	93	3	4	2	1				
<u>Complications of Preg., Childbirth & Puerperium</u>	630-678		7		6		1						
Abortions	640-645												
Other			7		6		1						
<u>Diseases of the Skin & Subcutaneous Tissue</u>	680-709	13	19	12	17		2		1				
<u>Dis.-Musculoskeletal Sys. & Connective Tissue</u>	710-738	57	88	55	86	1	2	1					
<u>Congenital Anomalies</u>	740-759	145	138	140	129	5	8		1				
<u>Certain Causes of Perinatal Morb. & Mortality</u>	760-779	197	133	176	119	19	14	2					
Birth injuries	764-768:.0-.3,772	14	11	12	9		2	2					
Anoxic and hypoxic conditions	764-768:.4,.9,776	81	54	74	50	7	4						
Other		102	68	90	60	12	8						
<u>Ill-Defined Conditions</u>	780-796	260	174	238	157	18	15	2	1			2	1
<u>Accidents, Poisonings, and Violence</u>	E800-999	1872	781	1756	728	83	40	22	12	2	1	9	
Motor vehicle	810-823	667	268	650	261	9	4	6	3	1		1	
All other accidents	800-807,825-827,830-949	665	282	618	268	30	11	8	3	1		8	
Suicide	950-959	426	165	411	154	10	8	5	2		1		
Homicide and legal intervention	960-978	93	55	60	39	31	12	2	4				
Operations of war & undeterm'd.violent deaths	980-999	21	11	17	6	3	5	1					

Table 31

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1977

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(Resident Data)

Cause of Death	Number
Total deaths from all causes (excluding stillbirths).....	39,325
I. Infective and parasitic diseases (000-136).....	280
Infectious disease commonly arising in intestinal tract (000-009).....	53
003 Other salmonella infections.....	3
008 Enteritis due to other specified organism.....	3
009 Unspecified forms of dysentery.....	47
Tuberculosis (all forms) (010-019).....	34
010-012 Respiratory system.....	26
011-012 Non-occupational.....	24
013 Tuberculosis of meninges and central nervous system.....	1
019 Late effects of tuberculosis.....	7
Other bacterial diseases (030-039).....	132
031 Mycobacteria.....	6
036 Meningococcal infection.....	11
038 Septicemia.....	105
039 Other bacterial diseases.....	10
Diseases attributable to viruses (040-079).....	31
043 Acute poliomyelitis, unspecified.....	1
045 Aseptic meningitis due to enterovirus.....	1
052 Chickenpox.....	4
053 Herpes zoster.....	1
054 Herpes simplex.....	4
055 Measles.....	1
056 Rubella.....	1
065 Viral encephalitis, unspecified.....	1
066 Late effects of viral encephalitis.....	1
070 Infectious hepatitis.....	6
072 Mumps.....	1
079 Other viral diseases.....	9
Syphilis and other venereal diseases (090-099).....	3
093 Cardiovascular syphilis.....	1
094 Syphilis of central nervous system.....	2
Other infective & parasitic diseases (100-136).....	27
110-117 Mycoses.....	13
130-136 Other infective and parasitic diseases.....	14
II. Neoplasms (140-239).....	8,195
Neoplasms, malignant (140-209).....	8,124
Neoplasms, malignant, except Hodgkin's disease, leukemia and aleukemia (140-209 except 201, 204-207).....	7,723

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Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
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(Resident Data)

Cause of Death	Number
Malignant neoplasms of buccal cavity and pharynx (140-149).....	175
140 Lip.....	5
141 Tongue.....	31
142 Salivary gland.....	13
143,145 Other parts of mouth and mouth unspecified.....	35
144 Floor of mouth.....	7
146 Oral mesopharynx.....	28
147 Nasopharynx.....	11
148 Hypopharynx.....	18
149 Pharynx, unspecified.....	27
Malignant neoplasm of digestive organs and peritoneum (150-159).....	2,254
150 Esophagus.....	134
151 Stomach.....	310
152 Small intestine, including duodenum.....	14
153 Large intestine, except rectum.....	941
154 Rectum.....	226
155 Biliary passages and of liver (stated to be primary site).....	38
156 Gallbladder and bile ducts.....	126
157 Pancreas.....	436
158 Peritoneum.....	15
159 Unspecified digestive organs.....	14
Malignant neoplasm of respiratory system (160-163).....	1,667
160 Nose, nasal cavities, middle ear, and accessory sinuses.....	15
161 Larynx.....	62
162 Trachea, and of bronchus and lung specified as primary.....	1,571
163 Other and unspecified respiratory organs.....	19
Malignant neoplasm of bone, connective tissue, skin, and breast (170-174).....	982
170 Bone.....	44
171 Connective and other soft tissue.....	37
172 Malignant melanoma of skin.....	58
173 Other malignant neoplasm of skin.....	25
174 Breast.....	818
Malignant neoplasm of genitourinary organs (180-189).....	1,387
180 Cervix uteri.....	78
182 Uterus.....	118
183 Ovary, fallopian tube, and broad ligament.....	250
184 Other and unspecified female genital organs.....	20
185 Prostate.....	466
186 Testis.....	17
187 Other and unspecified male genital organs.....	4
188 Bladder.....	236
189 Other and unspecified urinary organs.....	198
Malignant neoplasm of other and unspecified sites (190-199).....	821
190 Eye.....	4
191 Brain.....	170
192 Other parts of nervous system.....	50
193 Thyroid gland.....	22
194 Other endocrine glands.....	16
195 Ill-defined sites.....	65
196 Secondary and unspecified malignant neoplasm of lymph nodes.....	7
197 Secondary malignant neoplasm of respiratory and digestive systems.....	124
198 Other secondary malignant neoplasm.....	44
199 Without specification of site.....	319

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Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
Wisconsin, 1977

P. 3 of 10 pages

(Resident Data)

Cause of Deaths	Number
Neoplasms of lymphatic and hematopoietic tissues (200-209).....	838
200 Lymphosarcoma and reticulosarcoma.....	119
201 Hodgkin's disease.....	48
202 Other neoplasms of lymphoma.....	141
203 Multiple myeloma (plasmocytoma).....	128
204 Lymphatic leukemia.....	105
205 Myeloid leukemia.....	135
206 Monocytic leukemia.....	17
207 Other and unspecified leukemia.....	96
208 Polycythemia vera.....	11
209 Myelofibrosis.....	38
Benign neoplasms (210-228).....	43
211 Other parts of digestive system.....	5
212 Benign neoplasm of respiratory system.....	1
214 Lipoma.....	1
215 Other muscular and connective tissue.....	1
218 Uterine fibroma.....	2
221 Other female genital organs.....	1
225 Brain and other parts of nervous system.....	24
226 Endocrine glands.....	2
227 Hemangioma and lymphangioma.....	2
228 Other and unspecified organs and tissues.....	4
Neoplasm of unspecified nature (230-239).....	28
230 Digestive organs.....	4
231 Respiratory organs.....	3
237 Other genitourinary organs.....	2
238 Eye, brain, and other parts of nervous system.....	14
239 Other and unspecified organs.....	5
III. Endocrine, nutritional, and metabolic diseases (240-279).....	933
Diseases of thyroid gland (240-246).....	19
242 Thyrotoxicosis with or without goiter.....	6
244 Myxedema.....	13
Diseases of other endocrine glands (250-258).....	736
250 Diabetes mellitus.....	703
251 Disorders of pancreatic internal secretion other than diabetes mellitus.....	2
252 Diseases of parathyroid gland.....	1
253 Diseases of pituitary gland.....	4
254 Thymus gland.....	1
255 Diseases of adrenal glands.....	7
256 Ovarian dysfunction.....	1
258 Polyglandular dysfunction and other diseases of endocrine glands.....	17
Avitaminoses and other nutritional deficiency (260-269).....	74
263 Other vitamin B deficiency.....	3
267 Protein malnutrition.....	1
268 Nutritional marasmus.....	15
269 Other nutritional deficiency.....	55
Other metabolic diseases (270-279).....	104
272 Congenital disorders of lipid metabolism.....	3
273 Other and unspecified congenital disorders or metabolism.....	15
274 Gout.....	6
275 Plasma protein abnormalities.....	16
276 Amyloidosis.....	9
277 Obesity not specified as of endocrine origin.....	39
279 Other and unspecified metabolic diseases.....	16

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Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
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(Resident Data)

Cause of Death	Number
IV. Diseases of the blood and blood-forming organs (280-289).....	89
281 Other deficiency anemias.....	12
282 Hereditary hemolytic anemias.....	7
283 Acquired hemolytic anemias.....	4
284 Aplastic anemia.....	15
285 Other and unspecified anemias.....	12
286 Coagulation defects.....	12
287 Purpura and other hemorrhagic conditions.....	16
288 Agranulocytosis.....	3
289 Other diseases of blood and blood-forming organs.....	8
V. Mental disorders (290-315).....	242
Psychoses (290-299).....	50
290 Senile and presenile dementia.....	34
291 Alcoholic psychosis.....	7
295 Schizophrenia.....	4
298 Other psychosis.....	1
299 Unspecified psychosis.....	4
Neuroses, personality disorders, and other mental disorders (300-309).....	181
303 Alcoholism.....	101
304 Drug dependence.....	1
306 Special symptoms not elsewhere classified.....	5
309 Mental disorders not specified as psychotic associated w/physical condition..	74
Mental Retardation (310-315).....	11
VI. Diseases of the nervous system and sense organs (320-389).....	397
Inflammatory diseases of central nervous system (320-324).....	37
320 Meningitis.....	26
321 Phlebitis and thrombophlebitis of intracranial venous sinuses.....	1
322 Intracranial and intraspinal abscess.....	2
323 Encephalitis, myelitis, and encephalomyelitis.....	6
324 Late effects of intracranial abscess or pyogenic infection.....	2
Hereditary and familial diseases of nervous system (330-333).....	34
330 Hereditary neuromuscular disorders.....	17
331 Hereditary disease of the striatopallidal system.....	9
332 Ataxia.....	2
333 Other hereditary and familial diseases of nervous system.....	6
Other diseases of central nervous system (340-349).....	322
340 Multiple sclerosis.....	37
341 Other demyelinating diseases of central nervous system.....	4
342 Paralysis agitans.....	94
343 Cerebral spastic infantile paralysis.....	13
344 Other cerebral paralysis.....	15
345 Epilepsy.....	29
347 Other diseases of brain.....	62
348 Motor neurone disease.....	63
349 Other diseases of spinal cord.....	5
Diseases of nerves and peripheral ganglia (350-358).....	1
357 Other diseases of peripheral nerves except autonomic.....	1
Inflammatory diseases of the eye (360-369).....	1
369 Other.....	1
Diseases of the ear and mastoid process (380-389).....	2
381 Otitis media without mention of mastoiditis.....	2

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Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
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(Resident Data)

Cause of Death	Number
VII. Diseases of the circulatory system (390-458).....	21,506
Active rheumatic fever (390-392).....	6
391 With heart involvement.....	5
392 Chorea.....	1
Heart disease (all forms) (393-398, 402, 404, 410-429).....	15,674
Chronic rheumatic heart disease (393-398).....	284
393 Diseases of pericardium.....	1
394 Diseases of mitral valve.....	76
395 Diseases of aortic valve.....	99
396 Diseases of mitral and aortic valves.....	23
397 Diseases of other endocardial structures.....	16
398 Other heart disease, specified as rheumatic.....	69
Hypertensive disease (400-404).....	359
400 Malignant hypertension.....	15
401 Essential benign hypertension without mention of heart.....	18
402 Hypertensive heart disease.....	155
403 Hypertensive renal disease.....	101
404 Hypertensive heart and renal disease.....	70
Ischemic heart disease (410-414).....	13,692
410 Acute myocardial infarction.....	6,332
411 Other acute and subacute forms of ischemic heart disease.....	71
412 Chronic ischemic heart disease.....	7,281
413 Angina pectoris.....	8
Other diseases of heart (420-429).....	1,473
421 Acute and subacute endocarditis.....	9
422 Acute myocarditis not specified as rheumatic.....	5
423 Chronic disease of pericardium nonrheumatic.....	12
424 Chronic disease of endocardium.....	38
425 Cardiomyopathy.....	95
426 Pulmonary heart disease.....	29
427 Symptomatic heart disease.....	807
428 Other myocardial insufficiency.....	60
429 Ill-defined heart disease.....	418
Cerebrovascular diseases (430-438).....	4,050
430 Subarachnoid hemorrhage.....	132
431 Cerebral hemorrhage.....	510
432 Occlusion of precerebral arteries.....	53
433 Cerebral thrombosis.....	858
434 Cerebral embolism.....	20
435 Transient cerebral ischemia.....	2
436 Acute but ill-defined cerebrovascular disease.....	1,477
437 Generalized ischemic cerebrovascular disease.....	902
438 Other and ill-defined cerebrovascular disease.....	96
Diseases of the arteries (440-448).....	1,319
440 General arteriosclerosis.....	723
441 Aortic aneurysm (nonsyphilitic).....	298
442 Other aneurysm.....	33
443 Other peripheral vascular disease.....	21
444 Arterial embolism and thrombosis.....	142
445 Gangrene.....	68
446-448 Other diseases of arteries.....	34
Diseases of veins and other diseases of circulatory system (450-458).....	323
450 Pulmonary embolism and infarction.....	241
451 Phlebitis and thrombophlebitis.....	33
452,453 Other venous embolism and thrombosis.....	17
454 Varicose veins of lower extremities.....	5
455 Hemorrhoids.....	1
456 Varicose veins of other specified sites.....	3
458 Other diseases of circulatory system.....	23

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Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
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(Resident Data)

Cause of Death	Number
VIII. Diseases of the respiratory system (460-519).....	2,081
Acute upper respiratory infections (460-466).....	26
460 Acute nasopharyngitis (common cold).....	1
464 Acute laryngitis and tracheitis.....	1
465 Acute upper respiratory infection of multiple or unspecified sites.....	4
466 Acute bronchitis and bronchiolitis.....	20
Influenza (470-474).....	65
470 Unqualified.....	28
471 With pneumonia.....	34
472 With other respiratory manifestations.....	2
473 Influenza with digestive manifestations.....	1
Pneumonia (480-486).....	998
480 Viral pneumonia.....	24
481 Pneumococcal pneumonia.....	62
482-486 Other and unspecified.....	912
Bronchitis, emphysema, and asthma (490-493).....	355
490 Unqualified bronchitis.....	14
491 Chronic bronchitis.....	42
492 Emphysema.....	273
493 Asthma.....	26
Other diseases of upper respiratory tract (500-508).....	13
Other diseases of respiratory system (510-519).....	624
510 Empyema.....	8
511 Pleurisy.....	3
512 Spontaneous pneumothorax.....	1
513 Abscess of lung.....	15
514 Pulmonary congestion and hypostasis.....	18
515 Pneumoconiosis due to silica and silicates (occupational).....	11
516 Other pneumoconioses and related diseases.....	2
517 Other chronic interstitial pneumonia.....	57
518 Bronchiectasis.....	11
519 Other diseases of lung and pleural cavity.....	498
IX. Diseases of the digestive system (520-577).....	1,242
Diseases of oral cavity, salivary glands, and jaws (520-529).....	3
523 Peridontal diseases.....	1
526 Diseases of the jaws.....	1
527 Diseases of salivary glands.....	1
Diseases of esophagus, stomach, and duodenum (530-537).....	187
530 Diseases of esophagus.....	30
531 Ulcer of stomach.....	54
532 Ulcer of duodenum.....	43
533 Peptic ulcer.....	21
534 Gastrojejunal ulcer.....	13
535 Gastritis and duodenum.....	13
536 Disorders of function of stomach.....	3
537 Other diseases of stomach and duodenum.....	10
Appendicitis (540-543).....	20
540 Acute.....	18
541 Appendicitis, unqualified.....	2

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DEATHS BY INDIVIDUAL CAUSES
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(Resident Data)

Cause of Death	Number
Hernia of abdominal cavity (550-553).....	44
550 Inguinal hernia without mention of obstruction.....	4
551 Other without mention of obstruction.....	15
552 Inguinal hernia with obstruction.....	7
553 Other hernia with obstruction.....	18
Other diseases of intestine and peritoneum (560-569).....	289
560 Intestinal obstruction without mention of hernia.....	79
561 Gastroenteritis and colitis, except ulcerative of noninfectious origin.....	1
562 Diverticula of intestine.....	48
563 Chronic enteritis and ulcerative colitis.....	18
564 Functional disorders of intestine.....	3
566 Abscess of anal and rectal regions.....	2
567 Peritonitis.....	20
568 Peritoneal adhesions.....	3
569 Other diseases of intestines and peritoneum.....	115
Diseases of liver, gallbladder, and pancreas (570-577).....	699
570 Acute and subacute necrosis of liver.....	2
571 Cirrhosis of liver.....	475
572 Suppurative hepatitis and liver abscess.....	1
573 Other diseases of liver.....	62
574 Cholelithiasis.....	48
575 Cholecystitis and cholangitis, without mention of calculus.....	28
576 Other diseases of gallbladder and biliary ducts.....	32
577 Diseases of pancreas.....	51
X. Diseases of genitourinary system (580-629).....	476
Nephritis and nephrosis (580-584).....	136
580 Acute nephritis.....	24
581 Nephrotic syndrome.....	4
582 Chronic nephritis.....	97
583 Nephritis, unqualified.....	9
584 Renal sclerosis, unqualified.....	2
Other diseases of urinary system (590-599).....	294
590 Infections of kidney.....	72
591 Hydronephrosis.....	3
592 Calculus of kidney and ureter.....	9
593 Other diseases of kidney and ureter.....	117
595 Cystitis.....	5
596 Other diseases of bladder.....	8
597 Urethritis (nonvenereal).....	1
598 Stricture of urethra.....	4
599 Other diseases of urinary tract.....	75
Diseases of male genital organs (600-607).....	41
600 Hyperplasia of prostate.....	34
601 Prostatitis.....	3
602 Other diseases of prostate.....	2
607 Other diseases of male genital organs.....	2
Diseases of breast, ovary fallopian tube, and parametrium (610-616).....	1
611 Other disease of breast.....	1
Diseases of uterus and other female genital organs (620-629).....	4
623 Uterovaginal prolapse.....	1
625 Other diseases of uterus.....	1
629 Other diseases of the female genital organs.....	2

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Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
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(Resident Data)

Cause of Death	Number
XI. Complications of pregnancy, childbirth, and the puerperium (630-678).....	7
Complications of pregnancy (630-634).....	1
634 Other complications of pregnancy.....	1
Delivery (650-662).....	2
Complications of the puerperium (670-678).....	4
XII. Diseases of the skin and subcutaneous tissue (680-709).....	32
Infections of skin and subcutaneous tissue (680-686).....	14
680 Boil and carbuncle.....	1
681 Cellulitis of finger and toe.....	1
682 Other cellulitis and abscess.....	8
686 Other local infections of skin and subcutaneous tissue.....	4
Other inflammatory conditions of skin and subcutaneous tissue (690-698).....	4
692 Other eczema and dermatitis.....	1
694 Pemphigus.....	1
695 Erythematous conditions.....	2
Other diseases of skin and subcutaneous tissue (700-709).....	14
707 Chronic ulcer of skin.....	12
708 Urticaria.....	1
709 Other diseases of skin.....	1
XIII. Diseases of the bones and organs of movement (710-738).....	145
Arthritis and rheumatism, except rheumatic fever (710-718).....	68
712 Rheumatoid arthritis and allied conditions.....	32
713 Osteo-arthritis and allied conditions.....	19
714 Other specified forms of arthritis.....	1
715 Arthritis, unspecified.....	8
716 Polymyositis and dermatomyositis.....	7
717 Other nonarticular rheumatism.....	1
Osteomyelitis and other diseases of bone and joint (720-729).....	25
720 Osteomyelitis and periostitis.....	5
721 Osteitis deformans.....	1
723 Other diseases of bone.....	13
725 Displacement of intervertebral disc.....	2
727 Ankylosis of joint.....	1
728 Vertebrogenic pain syndrome.....	1
729 Other diseases of joint.....	2
Other diseases of musculoskeletal system (730-738).....	52
732 Infective myositis & other inflammatory diseases of tendon & fascia.....	3
733 Other diseases of muscle, tendon, and fascia.....	8
734 Diffuse diseases of connective tissue.....	37
735 Curvature of spine.....	4
XIV. Congenital anomalies (740-759).....	283
740 Anencephalus.....	23
741 Spina bifida and meningocele.....	3
742 Hydrocephalus.....	16
743 Nervous system.....	11
746 Heart.....	113
747 Circulatory system.....	28
748 Respiratory system.....	21
750 Other of upper alimentary tract.....	2
751 Digestive system.....	9
753 Urinary system.....	18
755-758 Other.....	16
759 Congenital syndromes affecting multiple systems.....	23

Table 31 (Cont.)

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Cause of Death	Number
XV. Certain causes of mortality in early infancy (760-779).....	330
760-761 Diseases and conditions in mother unrelated to pregnancy.....	1
762-769 Complications of pregnancy and childbirth.....	52
770-771 Conditions of placenta and umbilical cord.....	27
772 Birth injury without mention of cause.....	23
774-775 Hemolytic disease of newborn.....	4
776 Anoxic and hypoxic conditions not elsewhere classifiable.....	132
777 Immaturity, unqualified.....	60
778 Other conditions peculiar to early infancy.....	31
XVI. Symptoms, senility and ill-defined conditions (780-796).....	434
Symptoms referable to systems or organs (780-789).....	134
Senility and ill-defined diseases (790-796).....	300
XVII. Accidents, poisonings, and violence (800-999).....	2,653
Total accidents (800-949).....	983
Railway accidents (800-807).....	7
Motor vehicle accidents (810-823).....	935
810-819 Motor vehicle traffic accidents.....	909
810 Motor vehicle collision with train.....	30
812 Motor vehicle collision with another motor vehicle.....	382
813 Motor vehicle collision with another vehicle.....	25
814 Motor vehicle collision with pedestrian.....	119
815 Motor vehicle collision with animal, stone, tree, fixed object.....	128
816 Noncollision due to loss of control.....	182
818 Noncollision due to fire, breakdown, explosion, etc.....	16
819 Motor vehicle accident, unspecified.....	27
820-823 Motor vehicle nontraffic accident.....	26
Other road vehicle accident (825-827).....	1
Water transport accident (830-838).....	25
Aircraft accident (840-845).....	15
Accidental poisoning by drugs and medicaments (850-859).....	26
851 Accidental poisoning by hormones and synthetic substitutes.....	1
852 Primarily systemic and hematologic agents.....	1
853 Analgesics and antipyretics.....	6
854 Other sedatives and hypnotics.....	1
855 Autonomic nervous system and psychotherapeutic drugs.....	3
856 Other central nervous system depressants and stimulants.....	1
857 Cardiovascular drugs.....	1
859 Other and unspecified drugs and medicaments.....	12
Accidental poisoning by solid and liquid substances (860-869).....	30
860 Alcohol.....	2
861 Accidental poisoning by cleansing and polishing agents.....	1
862 Disinfectants.....	1
864 Accidental poisoning by petroleum products and other solvents.....	1
869 Other and unspecified solid and liquid substances.....	25

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Table 31 (Cont.)

DEATHS BY INDIVIDUAL CAUSES
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(Resident Data)

Cause of Death	Number
Accidental poisoning by gases and vapours (870-877).....	54
870 Utility (illuminating) gas.....	3
871 Accidental poisoning by liquefied petroleum gas distr. in mobile containers	1
873 Motor vehicle exhaust gas.....	35
874 Carbon monoxide from incomplete combustion of domestic fuels.....	3
875 Accidental poisoning by other carbon monoxide.....	6
876,877 Other specified gases and vapours.....	6
Accidental falls (880-887).....	292
880 Fall on stairs.....	55
881 Fall from ladders.....	17
882-884 Other falls from one level to another.....	36
885,886 Fall on same level.....	24
887 Other and unspecified fall.....	160
Accidents caused by fires and flames (890-899).....	91
Accidents due to natural and environmental factors (900-909).....	35
Other accidents (910-929).....	330
910 Accidental drowning and submersion.....	93
911 Inhalation and ingestion of food causing obstruction or suffocation.....	48
912 Inhalation and ingestion of other object causing obstruction or suffocation	14
913 Accidental mechanical suffocation.....	20
916,917 Struck accidentally by objects.....	44
918 Caught in between objects.....	16
920 Cutting or piercing instruments.....	5
921 Explosion of pressure vessel.....	1
922 Firearm missiles.....	24
923 Explosive material.....	2
924 Hot substance, corrosive liquid, and steam.....	6
925 Electric current.....	12
928 Accident caused by machinery.....	23
919,927,929 Other and unspecified accidents.....	22
Surgical and medical complications and misadventures (930-936).....	24
Late effects of accidental injury (940-949).....	17
940 Motor vehicle accidents.....	7
941,943,946 Other late effects.....	10
Suicide and self-inflicted injury (950-959).....	591
950 Solid or liquid substances.....	60
951-952 Gases.....	127
953 Hanging, strangulation and suffocation.....	98
954 Submersion (drowning).....	12
955 Firearms and explosives.....	263
956 Cutting and piercing instruments.....	10
957 Jumping from high places.....	11
958 Other and unspecified.....	9
959 Late effect of self-inflicted injury.....	1
Homicide and injury purposely inflicted by other persons (960-969).....	144
964 Assault by submersion (drowning).....	4
965 Assault by firearm and explosive.....	85
966 Assault by cutting and piercing instruments.....	21
960-963,968 Assault by other and unspecified means.....	34
Legal intervention (970-978).....	4
970 Injury due to legal intervention by firearms.....	4
Undetermined whether accidentally or purposely inflicted (980-989).....	32

Table 31a

DEATHS BY UNDERLYING CAUSE, BY NON-UNDERLYING CAUSES
Wisconsin, Five Years 1973-1977

P. 1 of 2 pages

(Resident Deaths Only)

ICDA-8 cause-classification of underlying cause			Deaths with given under- lying cause	Other non-underlying causes listed with given underlying cause ^{1/}						
ICDA-8 codes	No.	Name of category		ALL CAUSES	INFECT & PARASITIC	MALIGNANT NEOPLASMS	BENIGN & NS NEOPLASMS	ENDOCR, NUTRI & METAB	BLOOD & BLOODFORMING	MENTAL, INC ALCO, DRUG
				Total	1	2	3	4	5	6
		<u>ALL CAUSES</u>	<u>201,535</u>	<u>163,568</u>	<u>4,386</u>	<u>5,918</u>	<u>436</u>	<u>15,991</u>	<u>3,402</u>	<u>7,418</u>
000-136	1	INFECT & PARASITIC	1,250	2,287	-	122	5	123	57	65
140-209	2	MALIGNANT NEOPLASMS	38,798	32,443	1,029	-	50	3,309	1,357	366
210-239	3	BENIGN & NS NEOPLASMS	300	453	6	9	-	24	12	6
240-279	4	ENDOCR, NUTRI & METAB	4,907	8,280	165	142	24	-	107	248
280-289	5	BLOOD & BLOODFORMING	521	990	67	44	5	60	-	20
290-315	6	MENTAL, INC ALCO, DRUG	986	1,426	26	13	3	128	18	-
320-389	7	NERV SYS & SENSE ORGS	1,860	2,642	72	44	7	148	21	130
390-458	8	CIRCULATORY SYSTEM	112,481	75,550	1,120	4,137	246	10,286	1,225	3,852
410-414	(8a)	(Subtotal, 8a-8d)	(112,481)	(75,550)	(1,120)	(4,137)	(246)	(10,286)	(1,225)	(3,852)
2/	(8b)	(Ischemic heart dis)	(72,333)	(44,004)	(530)	(2,592)	(134)	(6,767)	(792)	(2,096)
430-438	(8c)	(All other heart dis)	(8,816)	(6,145)	(110)	(305)	(19)	(474)	(94)	(181)
3/	(8d)	(Cerebrovascular dis)	(21,947)	(15,850)	(206)	(722)	(50)	(2,209)	(178)	(1,006)
		(Hyperten, artscl, oth)	(9,385)	(9,551)	(274)	(518)	(43)	(836)	(161)	(569)
460-519	9	RESPIRATORY SYSTEM	11,263	15,089	419	771	47	729	202	764
520-577	10	DIGESTIVE SYSTEM	6,710	9,640	592	348	22	580	205	763
580-629	11	GENITOURINARY SYSTEM	2,438	4,615	462	132	10	281	96	129
630-678	12	PREG, BIRTH & PUERPER	27	38	1	1	0	3	1	0
680-709	13	SKIN & SUBCUTANEOUS TIS	164	334	85	4	0	9	4	12
710-738	14	MUSCULOSKEL & CON TIS	658	1,245	47	25	2	74	29	28
740-759	15	CONGENITAL ANOMALIES	1,410	1,821	40	10	4	44	14	42
760-779	16	PERINATAL DISEASE	2,132	428	37	0	0	9	8	1
780-796	17	SYMPT & ILL-DEF CONDS	1,692	49	0	0	0	0	0	24
E800-E999	18	ACCI, POISONS, VIOLENCE	13,938	6,238	218	116	11	184	46	968

^{1/} Each cause-category is counted only once per death; therefore any death is counted only once in the same column. But the same death may be counted in more than one column of any given line. ^{2/} 391-392.0, 393-398, 402, 404, 420-429. ^{3/} 390, 392.9, 400, 401, 403, 440-458.

NOTE: Table 31a, which appeared in Public Health Statistics for 1974 and 1975 but not for 1976, has been revised, and is now organized on a different principle than formerly. In the revised table, all causes of death listed on the death certificate which fall within a given group of ICDA-8 codes are combined into a single mention, and classified either as underlying cause or as a non-underlying cause, according to whether the underlying cause previously selected for the death is or is not in the given group of ICDA-8 codes. Therefore the same cause cannot appear both as underlying and as non-underlying cause, and all of the diagonal cells of the table are blank.

Because there can be only one underlying cause per death, the frequencies in the first column add to 201,535, the total number of deaths reported for these five years. But in the second column, "All causes," the numbers which appear are the totals of those in columns 1-18, and apply only when causes are counted (continued at right)

Table 31a

DEATHS BY UNDERLYING CAUSE, BY NON-UNDERLYING CAUSES
Wisconsin, Five Years 1973-1977

P. 2 of 2 pages

(Resident Deaths Only)

Other non-underlying causes listed with given underlying cause ^{1/}												ICDA-8 cause-classification of underlying cause	
NERV SYS & SENSE ORGS	CIRCULATORY SYSTEM	RESPIRATORY SYSTEM	DIGESTIVE SYSTEM	GENITOURINARY SYSTEM	PREG, BIRTH & PUEPER	SKIN & SUBCUTANEOUS	MUSCULOSKEL & CON TIS	CONGENITAL ANOMALIES	PERINATAL DISEASE	SYMPT & ILL- DEF CONDS	ACCI, POISONS, VIOLENCE	ICDA-8 codes	No.
7	8	9	10	11	12	13	14	15	16	17	18		
6,968	25,757	25,011	9,151	7,700	6	944	3,685	587	669	40,737	4,802		
91	526	309	155	128	0	14	42	20	68	507	55	000-137	1
620	8,121	5,238	3,185	1,351	1	101	410	42	2	6,301	960	140-209	2
29	124	42	30	19	0	2	7	3	2	82	56	210-239	3
259	3,827	746	287	615	0	84	172	10	9	1,460	125	240-279	4
15	289	102	67	45	0	12	17	2	4	217	24	280-289	5
72	236	346	115	41	0	14	13	4	0	281	116	290-315	6
-	565	593	59	128	0	31	36	12	10	637	149	320-389	7
4,638	-	14,869	4,020	4,049	3	500	2,380	218	25	22,088	1,894	390-458	8
(4,638)		(14,869)	(4,020)	(4,049)	3	(500)	(2,380)	(218)	25	(22,088)	(1,894)		
(2,072)	-	(8,436)	(2,382)	(2,193)	0	(264)	(1,559)	(89)	1	(13,321)	(776)	410-414	(8a)
(225)	-	(1,199)	(344)	(377)	0	(22)	(143)	(35)	12	(2,290)	(315)	2/	(8b)
(2,030)	-	(3,679)	(586)	(667)	1	(117)	(416)	(70)	7	(3,583)	(323)	430-438	(8c)
(311)	-	(1,555)	(708)	(812)	2	(97)	(262)	(24)	5	(2,894)	(480)	3/	(8d)
564	5,748	-	655	458	1	52	298	97	30	4,025	229	460-519	9
140	2,456	1,030	-	572	0	43	143	39	49	1,875	783	520-577	10
118	1,296	394	205	-	1	27	86	21	2	1,183	172	580-629	11
2	8	3	3	-	-	0	0	0	0	10	5	630-678	12
7	74	30	11	17	0	-	13	0	0	61	7	680-709	13
42	327	196	68	66	0	24	-	4	0	230	83	710-738	14
76	389	156	67	55	0	1	5	-	459	328	131	740-759	15
8	24	43	29	11	0	0	0	87	-	159	12	760-779	16
2	5	4	0	1	0	5	1	0	6	-	1	780-796	17
285	1,742	910	195	143	0	34	62	28	3	1,293	-	E800-E999	18

(Continued from left) using this specific cause-classification. More detailed cause-categories would make these total numbers larger, while a more collapsed classification (for example, one with only five categories) would make them considerably smaller.

The totals at the top of columns 1-18 are the total numbers of death certificates on which at least one cause within the given cause-group was listed, but for which the underlying cause of the death was not in the given group. Therefore, a column total can be added to the number of deaths with the corresponding underlying cause to give the total number of death certificates on which mention was made of one or more of the conditions classifiable in the given group. For example, adding together 25,757 and 112,481 for cause-group No. 8 gives a total of 138,238 death certificates on which a circulatory system disease was mentioned. (This tabulation does not provide the detail necessary for calculating similar sums for categories 8a-8d.)

The number of deaths with a joint occurrence of any two causes can also be determined. For example, the number of deaths for which both circulatory system and respiratory system disease are listed is 20,617, the sum of 14,869 and 5,748. (Joint occurrence of categories 8a-8d with each other is not shown in this table.)

^{1/}, ^{2/}, ^{3/}, ^{4/}: See preceding page.

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 1 of 8 pages

(Resident Data)

Cause of Death	All Ages			Under 1		1-4		5-9		10-14	
	Total	Male	Female	M	F	M	F	M	F	M	F
Total - all causes of death.....	39,325	21,597	17,728	451	323	99	76	75	32	90	35
I. Infective and parasitic diseases 000-136.....	280	160	120	16	12	4	7	4		2	
010-019 Tuberculosis - all forms.....	34	24	10	1							
038,039 Septicemia, & other bacterial diseases..	115	62	53	6	5	1	1	1			
All other infective & parasitic diseases	131	74	57	9	7	3	6	3		2	
II. Neoplasms 140-239.....	8,195	4,408	3,787	2	3	11	9	11	2	17	6
140-209 Neoplasms, malignant.....	8,124	4,384	3,740	2	1	11	8	11	2	17	6
140-149 Buccal cavity & pharynx.....	175	117	58					1			
150 Esophagus.....	134	97	37								
151 Stomach.....	310	189	121								
153 Large intestines, exc. rectum..	941	473	468								
154 Rectum.....	226	131	95								
155,156 Liver (primary), bile ducts, gallbladder.....	164	63	101			1					
157 Pancreas.....	436	243	193								1
160,161,163 Respiratory, except lung, trachea & bronchus.....	96	78	18								
162 Trachea, lung & bronchus.....	1,571	1,227	344							1	
174 Breast.....	818	7	811								
180-184 Cervix uteri, ovary & other female genital organs.....	466		466								1
185-187 Prostate & other male genital organs.....	487	487									
188 Bladder.....	236	166	70								
189 Kidney & other urinary organs..	198	124	74						1		
191 Brain.....	170	103	67	1		3	1	4	1	2	1
204-207 Leukemia & aleukemia.....	353	202	151			2	2	4		10	2
200-203,208,209 Lymphosarcoma and hematopoietic tissue.....	485	256	229					1		3	1
Other malignant neoplasms.....	858	421	437	1	1	5	5	1		1	
210-239 Neoplasms, benign and unspecified.....	71	24	47		2		1				
III. Endocrine, nutritional, & metabolic dis. 240-279.	933	390	543	3	4		1	3	1		3
250 Diabetes mellitus.....	703	292	411								
260-269 Avitaminoses, other nutritional deficiencies.....	74	34	40				1				
Other metabolic diseases.....	156	64	92	3	4			3	1		3
IV. Diseases of blood & blood forming organs 280-289.	89	46	43				1	1			
280-285 Anemias.....	50	27	23					1			
286-289 All other.....	39	19	20				1				
V. Mental disorders 290-315.....	242	133	109				1	2			
VI. Diseases of nervous system & sense organs 320-389	397	210	187	6	10	13	5	3	2	3	1
VII. Diseases of the circulatory system 390-458.....	21,506	11,428	10,078	12	6	1	3	2	2	6	3
390-392 Rheumatic fever.....	6	2	4								
393-398 Chronic rheumatic heart disease.....	284	146	138								
400(exc. 400.1), Hypertension without mention of heart.....	132	69	63								
400.1,402,404 Hypertension w/heart disease.....	227	111	116								
410 Acute ischemic heart disease.....	6,332	3,955	2,377					1			
412 Chronic ischemic heart disease.....	7,281	3,592	3,689								
411,413 Other ischemic heart disease.....	79	53	26		1						
424,428 Chronic disease of endocardium, other myocardial insufficiency.....	98	46	52		3						

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 2 of 8 pages

(Resident Data)

Cause of Death	All Ages			Under 1		1-4		5-9		10-14	
	Total	Male	Female	M	F	M	F	M	F	M	F
430-438 Cerebrovascular disease.....	4,050	1,794	2,256				1	1		1	
440 Arteriosclerosis.....	723	321	402								
441-448 Other diseases of arteries, arterioles..	596	345	251								
450-458 Diseases of veins & lymphatics, & diseases of circulatory system.....	323	152	171					1	1	1	
All other forms of heart disease.....	1,375	842	533	12	2	1	2	1	1	3	2
VIII. Diseases of the respiratory system 460-519.....	2,081	1,302	779	26	12	8	7	2	1	1	1
470-474 Influenza.....	65	23	42			1					
480-486 Pneumonia.....	998	551	447	20	9	3	4	1	1	1	1
490,491 Bronchitis, chronic & unqualified.....	56	37	19								
492,493 Emphysema and asthma.....	299	234	65								
Other.....	663	457	206	6	3	4	3	1			
IX. Diseases of the digestive system 520-577.....	1,242	691	551	6	4	2		2	1	1	
531-534 Ulcer of the stomach, duodenum; peptic and gastrojejunal.....	131	73	58								
571 Cirrhosis of liver.....	475	312	163	1				1			
571.0 with alcoholism.....	208	150	58								
571.8,.9 w/out mention of alcohol.....	267	162	105	1				1			
Other.....	636	306	330	5	4	2		1	1	1	
X. Diseases of genitourinary system 580-629.....	476	285	191		1	1					
580-584 Nephritis & nephrosis.....	136	84	52		1						
590 Infections of kidney.....	72	31	41								
600 Hyperplasia of prostate.....	34	34									
Other.....	234	136	98			1					
XI. Complications of pregnancy, childbirth and puerperium 630-678.....	7		7								
640-645 Abortions.....	-										
Other.....	7		7								
XII. Diseases of skin & subcutaneous tissue 680-709...	32	13	19								
XIII. Diseases of musculoskeletal system and connective tissue 710-738.....	145	57	88					1		1	
XIV. Congenital anomalies 740-759.....	283	145	138	97	84	10	15	3	3	5	1
XV. Certain causes of perinatal morbidity and mortality 760-779.....	330	197	133	197	133						
764-768: .0-.3, 772 Birth injuries.....	25	14	11	14	11						
764-768: .4, .9, 776 Anoxic & hypoxic conditions.	135	81	54	81	54						
Other.....	170	102	68	102	68						
XVI. Symptoms, senility, and ill-defined causes of mortality 780-796.....	434	260	174	72	44	4	1	1		1	
XVII. Accidents, poisonings and violence E800-999.....	2,653	1,872	781	14	10	45	26	40	20	53	20
810-823 Motor vehicle.....	935	667	268	1	2	16	8	21	9	16	11
800-807, 825-827, 830-949 All other accidents.....	947	665	282	10	4	23	16	18	11	31	6
950-959 Suicide.....	591	426	165							2	1
960-978 Homicide & legal intervention.....	148	93	55	1	4	5	1	1		2	2
980-999 Operations of war & undetermined violent deaths.....	32	21	11	2		1	1			2	

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 3 of 8 pages

(Resident Data)

Cause of Death	15-19		20-24		25-29		30-34		35-39		40-44	
	M	F	M	F	M	F	M	F	M	F	M	F
Total - all causes of death.....	317	110	331	109	243	127	198	118	203	140	319	168
I. Infective and parasitic diseases 000-136.....	4	1	4	1	2	1	1	2	4	2	4	1
010-019 Tuberculosis - all forms.....											2	
038,039 Septicemia, & other bacterial diseases..	1		1						2			
All other infective & parasitic diseases	3	1	3	1	2	1	1	2	2	2	2	1
II. Neoplasms 140-239.....	19	8	29	8	20	23	24	33	19	51	66	73
140-209 Neoplasms, malignant.....	19	8	29	8	18	22	23	32	18	51	66	73
140-149 Buccal cavity & pharynx.....											1	2
150 Esophagus.....							1		1			
151 Stomach.....			1	1			1	2	1	1	3	
153 Large intestines, exc. rectum..		1			1		3	1		4	5	6
154 Rectum.....											4	1
155,156 Liver (primary), bile ducts, gallbladder.....												
157 Pancreas.....					1				1		3	1
160,161,163 Respiratory, except lung, trachea & bronchus.....											6	2
162 Trachea, lung & bronchus.....			2				1		1	4	17	8
174 Breast.....						4		12		17		27
180-184 Cervix uteri, ovary & other female genital organs.....				2		4		1		7		11
185-187 Prostate & other male genital organs.....			2		5		2		4		2	
188 Bladder.....											1	
189 Kidney & other urinary organs..									1		1	1
191 Brain.....	1	1	5		1	2	5	4	2	2	8	1
204-207 Leukemia & aleukemia.....	8	1	4	1	2	4	3	4	1	3	1	5
200-203,208,209 Lymphosarcoma and hematopoietic tissue.....	1	2	6	1	2	4	1	5	3	1	5	1
Other malignant neoplasms.....	9	3	9	3	6	4	6	3	3	12	9	7
210-239 Neoplasms, benign and unspecified.....					2	1	1	1	1			
III. Endocrine, nutritional, & metabolic dis. 240-279.	1	3	2	3	6	4	3	4	7	7	12	3
250 Diabetes mellitus.....		1	2	3	4	3	3	1	6	5	11	2
260-269 Avitaminoses, other nutritional deficiencies.....								1				
Other metabolic diseases.....	1	2			2	1		2	1	2	1	1
IV. Diseases of blood & blood forming organs 280-289.				1				2		1		
280-285 Anemias.....				1						1		
286-289 All other.....								2				
V. Mental disorders 290-315.....	1		2	1	1		1	1	2	3	5	3
VI. Diseases of nervous system & sense organs 320-389	11	3	4	4	7	2	6	4	4	2	1	2
VII. Diseases of the circulatory system 390-458.....	2	4	8	7	19	14	25	16	59	17	104	43
390-392 Rheumatic fever.....									1			
393-398 Chronic rheumatic heart disease.....					2		1		4		4	3
400(exc. 400.1), Hypertension without mention of heart.....												
401,403 of heart.....												
400.1,402,404 Hypertension w/heart disease.....								1	1		2	1
410 Acute ischemic heart disease.....			1		4	2	6	4	18	5	44	12
412 Chronic ischemic heart disease.....			1		3		8		9		27	7
411,413 Other ischemic heart disease.....									2		2	
424,428 Chronic disease of endocardium, other myocardial insufficiency.....							2					

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 4 of 8 pages

(Resident Data)

Cause of Death	15-19		20-24		25-29		30-34		35-39		40-44	
	M	F	M	F	M	F	M	F	M	F	M	F
430-438 Cerebrovascular disease.....	1	1	2	3	6	6	3	4	10	9	12	11
440 Arteriosclerosis.....												
441-448 Other diseases of arteries, arterioles..	1	1							2	1		2
450-458 Diseases of veins & lymphatics, & diseases of circulatory system.....			1	1	1	2	1	3	2	1		4
All other forms of heart disease.....		2	3	3	3	4	4	4	10	1	13	3
VIII. Diseases of the respiratory system 460-519.....	1	1	4	3	3	6	4	3	8	2	13	4
470-474 Influenza.....				1							1	
480-486 Pneumonia.....		1	2	1	2	5		2	4	2	7	2
490,491 Bronchitis, chronic & unqualified.....							2		1			
492,493 Emphysema and asthma.....							1	1	2		1	
Other.....	1		2	1	1	1	1		1		4	2
IX. Diseases of the digestive system 520-577.....	3	2	1		4	2	12	4	14	11	25	6
531-534 Ulcer of the stomach, duodenum; peptic and gastrojejunal.....		1				1			1		2	
571 Cirrhosis of liver.....					3		7	3	9	7	16	5
571.0 with alcoholism.....					2		3	3	2	5	10	3
571.8,.9 w/out mention of alcohol.....					1		4		7	2	6	2
Other.....	3	1	1		1	1	5	1	4	4	7	1
X. Diseases of genitourinary system 580-629.....	1		1	1	1	2	2	1	3	2	7	1
580-584 Nephritis & nephrosis.....			1				1	1	2	1	2	
590 Infections of kidney.....	1											
600 Hyperplasia of prostate.....												
Other.....				1	1	2	1		1	1	5	1
XI. Complications of pregnancy, childbirth and puerperium 630-678.....						2		4		1		
640-645 Abortions.....												
Other.....						2		4		1		
XII. Diseases of skin & subcutaneous tissue 680-709...											1	
XIII. Diseases of musculoskeletal system and connective tissue 710-738.....			1			2		1	1			2
XIV. Congenital anomalies 740-759.....	3	2	3	5	3	4	3	1	2	3		2
XV. Certain causes of perinatal morbidity and mortality 760-779.....												
764-768: .0-.3, 772 Birth injuries.....												
764-768: .4, .9, 776 Anoxic & hypoxic conditions.												
Other.....												
XVI. Symptoms, senility, and ill-defined causes of mortality 780-796.....	1	1	7	3	4		1	1	1	3	2	
XVII. Accidents, poisonings and violence E800-999.....	270	85	265	72	173	65	116	41	79	35	79	28
810-823 Motor vehicle.....	157	53	130	32	79	27	44	16	31	13	23	12
800-807, 825-827, 830-949 All other accidents.....	57	10	57	10	32	10	30	6	17	5	30	3
950-959 Suicide.....	43	13	62	20	47	16	31	16	26	12	22	10
960-978 Homicide & legal intervention.....	10	8	13	7	14	11	10	3	5	3	3	3
980-999 Operations of war & undetermined violent deaths.....	3	1	3	3	1	1	1			2	1	

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1977

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(Resident Data)

Cause of Death	45-49		50-54		55-59		60-64		65-69	
	M	F	M	F	M	F	M	F	M	F
Total - all causes of death.....	534	360	917	530	1479	806	1978	1126	2655	1547
I. Infective and parasitic diseases 000-136.....	3	4	10	2	15	6	13	12	7	11
010-019 Tuberculosis - all forms.....		2	1		4		3	2		1
038,039 Septicemia, & other bacterial diseases..	1	1	6	1	5	4	6	7	4	6
All other infective & parasitic diseases	2	1	3	1	6	2	4	3	3	4
II. Neoplasms 140-239.....	115	160	241	248	390	357	538	458	679	516
140-209 Neoplasms, malignant.....	115	158	241	247	389	354	537	452	676	509
140-149 Buccal cavity & pharynx.....	4	3	10	1	10	7	24	12	25	9
150 Esophagus.....	5		10	3	12	5	11	2	9	4
151 Stomach.....	4	4	8	6	12	8	11	4	31	12
153 Large intestines, exc. rectum..	7	9	28	26	36	35	58	56	76	66
154 Rectum.....	3	1	4	11	14	8	19	9	17	8
155,156 Liver (primary), bile ducts, gallbladder.....	2	2	3	4	3	6	9	9	5	16
157 Pancreas.....	4	7	15	6	29	19	32	18	34	29
160,161,163 Respiratory, except lung, trachea & bronchus.....	1		5	1	12	2	20	3	11	4
162 Trachea, lung & bronchus.....	44	26	91	39	145	47	180	72	238	44
174 Breast.....	2	50	1	65		99	2	100		114
180-184 Cervix uteri, ovary & other female genital organs.....		16		39		54		74		72
185-187 Prostate & other male genital organs.....	2		3		13		37		47	
188 Bladder.....	2	2	4	1	6		14	3	25	6
189 Kidney & other urinary organs..	5	2	9	3	24	5	17	7	17	7
191 Brain.....	5	4		12	11	6	9	10	20	9
204-207 Leukemia & aleukemia.....	5	5	7	4	12	6	20	7	17	18
200-203,208,209 Lymphosarcoma and hematopoietic tissue.....	11	10	19	9	20	12	33	26	42	29
Other malignant neoplasms.....	9	17	24	17	30	35	41	40	62	62
210-239 Neoplasms, benign and unspecified.....		2		1	1	3	1	6	3	7
III. Endocrine, nutritional, & metabolic dis. 240-279.	13	12	14	10	27	31	38	45	47	50
250 Diabetes mellitus.....	11	9	9	7	17	18	31	35	38	37
260-269 Avitaminoses, other nutritional deficiencies.....			1		4		2	2	2	4
Other metabolic diseases.....	2	3	4	3	6	13	5	8	7	9
IV. Diseases of blood & blood forming organs 280-289.	2		2	3	4	3	6	3	4	6
280-285 Anemias.....					1	1	2		3	4
286-289 All other.....	2		2	3	3	2	4	3	1	2
V. Mental disorders 290-315.....	8	4	16	3	13	6	18	8	18	7
VI. Diseases of nervous system & sense organs 320-389	7	6	9	9	18	17	26	19	22	21
VII. Diseases of the circulatory system 390-458.....	227	85	427	153	749	268	1010	417	1501	730
390-392 Rheumatic fever.....		1								1
393-398 Chronic rheumatic heart disease.....	3	5	5	5	9	11	20	12	26	17
400(exc. 400.1), Hypertension without mention of heart.....	2	2	1	1	3	3	1	2	2	2
400.1,402,404 Hypertension w/heart disease.....	1	1	3	3	9	5	10	4	19	11
410 Acute ischemic heart disease.....	104	13	216	47	348	87	455	157	647	276
412 Chronic ischemic heart disease.....	63	20	94	28	187	61	260	104	388	191
411,413 Other ischemic heart disease.....			7	2	7	1	9	2	7	1
424,428 Chronic disease of endocardium, other myocardial insufficiency.....		1	1	2	1	1	4	4	3	2

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 6 of 8 pages

(Resident Data)

Cause of Death	45-49		50-54		55-59		60-64		65-69	
	M	F	M	F	M	F	M	F	M	F
430-438 Cerebrovascular disease.....	18	21	30	31	70	47	100	60	181	129
440 Arteriosclerosis.....	2		3	3	5	2	12	4	24	7
441-448 Other diseases of arteries, arterioles..	5	5	10	7	22	8	24	10	57	22
450-458 Diseases of veins & lymphatics, & diseases of circulatory system.....	4	4	5	5	12	12	22	12	21	24
All other forms of heart disease.....	25	12	52	19	76	30	93	46	126	47
VIII. Diseases of the respiratory system 460-519.....	14	7	37	20	52	30	90	47	157	58
470-474 Influenza.....	1	1		1			3	4	2	
480-486 Pneumonia.....	5	3	17	3	22	12	26	14	35	13
490,491 Bronchitis, chronic & unqualified.....	1			2		1	4		5	1
492,493 Emphysema and asthma.....	4	1	5	6	11	2	20	11	41	13
Other.....	3	2	15	8	19	15	37	18	74	31
IX. Diseases of the digestive system 520-577.....	39	26	56	33	83	39	94	52	88	58
531-534 Ulcer of the stomach, duodenum; peptic and gastrojejunal.....	1	3	2	1	8		12	8	12	8
571 Cirrhosis of liver.....	28	11	39	23	55	26	56	30	47	25
571.0 with alcoholism.....	17	6	22	9	28	8	28	11	24	8
571.8,.9 w/out mention of alcohol.....	11	5	17	14	27	18	28	19	23	17
Other.....	10	12	15	9	20	13	26	14	29	25
X. Diseases of genitourinary system 580-629.....	3	7	5	3	11	4	19	11	22	20
580-584 Nephritis & nephrosis.....	1	6		1	6		6	5	9	11
590 Infections of kidney.....			1	2		1				2
600 Hyperplasia of prostate.....			1				1		2	
Other.....	2	1	3		5	3	12	6	11	7
XI. Complications of pregnancy, childbirth and puerperium 630-678.....										
640-645 Abortions.....										
Other.....										
XII. Diseases of skin & subcutaneous tissue 680-709...			1				1	2	1	2
XIII. Diseases of musculoskeletal system and connective tissue 710-738.....	3	3	4	6	4	6	6	8	10	11
XIV. Congenital anomalies 740-759.....	4	2	2	1	4	4	2	2	2	2
XV. Certain causes of perinatal morbidity and mortality 760-779.....										
764-768: .0-.3, 772 Birth injuries.....										
764-768: .4, .9, 776 Anoxic & hypoxic conditions. Other.....										
XVI. Symptoms, senility, and ill-defined causes of mortality 780-796.....	5	1	5	3	5	3	13	8	16	3
XVII. Accidents, poisonings and violence E800-999.....	91	43	88	36	104	32	104	34	81	52
810-823 Motor vehicle.....	22	13	25	11	18	7	22	11	14	12
800-807, 825-827, 830-949 All other accidents.....	32	9	33	5	40	13	46	14	46	24
950-959 Suicide.....	27	19	23	18	39	9	33	7	19	12
960-978 Homicide & legal intervention.....	8	1	6	2	6	3	3	1	1	3
980-999 Operations of war & undetermined violent deaths.....	2	1	1		1			1	1	1

Table 32 (Cont.)

DEATHS BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 7 of 8 pages

(Resident Data)

Cause of Death	70-74		75-79		80-84		85+		Unk.	
	M	F	M	F	M	F	M	F	M	F
Total - all causes of death.....	2952	1935	3026	2514	2776	3000	2954	4669		3
I. Infective and parasitic diseases 000-136.....	10	7	22	11	20	21	15	18		
010-019 Tuberculosis - all forms.....	3	1	2	1	4	2	4	1		
038,039 Septicemia, & other bacterial diseases..	3	1	11	8	10	9	4	10		
All other infective & parasitic diseases	4	5	9	2	6	10	7	7		
II. Neoplasms 140-239.....	721	463	638	461	485	484	383	425		
140-209 Neoplasms, malignant.....	718	458	632	457	480	475	382	420		
140-149 Buccal cavity & pharynx.....	15	6	15	4	8	8	4	6		
150 Esophagus.....	23	3	7	7	10	5	8	8		
151 Stomach.....	32	17	32	19	30	20	23	27		
153 Large intestines, exc. rectum..	75	50	77	59	63	78	44	77		
154 Rectum.....	11	11	19	11	21	18	19	17		
155,156 Liver (primary), bile ducts, gallbladder.....	12	18	10	19	10	14	3	12		
157 Pancreas.....	61	28	29	31	22	32	11	21		
160,161,163 Respiratory, except lung, trachea & bronchus.....	8	3	8	1	6	1	7	3		
162 Trachea, lung & bronchus.....	227	44	163	30	80	19	37	11		
174 Breast.....	92	1	72			85	1	74		
180-184 Cervix uteri, ovary & other female genital organs.....		54	48			51		32		
185-187 Prostate & other male genital organs.....	66		103		104		97			
188 Bladder.....	24	5	34	14	21	18	35	21		
189 Kidney & other urinary organs..	13	11	20	11	7	14	10	12		
191 Brain.....	13	5	8	5	4	2	1	1		
204-207 Leukemia & aleukemia.....	33	15	29	28	21	23	23	23		
200-203,208,209 Lymphosarcoma and hematopoietic tissue.....	35	37	25	39	31	34	18	18		
Other malignant neoplasms.....	70	59	52	59	42	53	41	57		
210-239 Neoplasms, benign and unspecified.....	3	5	6	4	5	9	1	5		
III. Endocrine, nutritional, & metabolic dis. 240-279.	57	86	57	62	51	95	49	119		
250 Diabetes mellitus.....	47	72	39	51	40	81	34	86		
260-269 Avitaminoses, other nutritional deficiencies.....	2		3	3	9	4	11	25		
Other metabolic diseases.....	8	14	15	8	2	10	4	8		
IV. Diseases of blood & blood forming organs 280-289.	4	2	12	3	5	8	6	10		
280-285 Anemias.....	2	1	9	2	5	4	4	9		
286-289 All other.....	2	1	3	1		4	2	1		
V. Mental disorders 290-315.....	8	8	10	10	11	19	17	35		
VI. Diseases of nervous system & sense organs 320-389	20	26	24	20	20	16	6	18		
VII. Diseases of the circulatory system 390-458.....	1665	1139	1819	1661	1787	2048	2005	3459		3
390-392 Rheumatic fever.....				1		1	1			
393-398 Chronic rheumatic heart disease.....	23	25	23	22	16	22	9	15		
400(exc. 400.1), Hypertension without mention of heart.....	12	4	14	12	13	12	21	25		
400.1,402,404 Hypertension w/heart disease.....	12	21	20	15	14	20	20	34		
410 Acute ischemic heart disease.....	663	373	622	458	459	435	367	508		
412 Chronic ischemic heart disease.....	477	333	563	593	663	807	849	1543		2
411,413 Other ischemic heart disease.....	5	2	6	5	5	5	3	7		
424,428 Chronic disease of endocardium, other myocardial insufficiency.....	3	3	6	4	13	14	13	18		

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(Resident Data)

[illegible]

Table 33

DEATHS BY MAJOR CAUSES, WHITE AND NONWHITE
Wisconsin, 1977

P. 1 of 4 pages

(Resident Data)

Cause of Death	ICDA	Total		Race		Under 1		1-4		5-9	
		No.	Rate	W	NW	W	NW	W	NW	W	NW
Total		39,325*	846.8	38,295	1,012	685	89	159	16	96	11
<u>Infective & Parasitic Diseases</u>											
Tuberculosis - all forms	000-136	280	6.0	256	24	23	5	10	1	3	1
Septicemia and other bacterial diseases	010-019	34	0.7	29	5	1					
All other infective & parasitic diseases	038,039	115	2.5	110	5	10	1	2			1
<u>Malignant Neoplasms</u>											
Buccal cavity and pharynx	140-209	8,124	174.9	7,924	200	2	1	17	2	13	
Esophagus	140-149	175	3.8	172	3					1	
Stomach	150	134	2.9	128	6						
Large intestines, except rectum	151	310	6.7	304	6						
Rectum	153	941	20.3	920	21						
Liver(primary), bile ducts, gallbladder	154	226	4.9	222	4						
Pancreas	155,156	164	3.5	158	6			1			
Respiratory except lung, trachea & bronchus	157	436	9.4	425	11						
Trachea, lung and bronchus	160,161,163	96	2.1	92	4						
Breast	162	1,571	33.8	1,519	52						
Cervix uteri, ovary & other fem. genital organs	174	818	17.6	807	11						
Prostate & other male genital organs	180-184	466	10.0	457	9						
Bladder	185-187	487	10.5	473	14						
Kidney and other urinary organs	188	236	5.1	234	2						
Brain	189	198	4.3	196	2						
Leukemia and aleukemia	191	170	3.7	164	6	1		3	1	5	
Lymphosarcoma & hematopoietic tissue	204-207	353	7.6	349	4			3	1	4	
All other malignant neoplasms	200-203,208,209	485	10.4	474	11					1	
<u>Neoplasms, benign and unspecified</u>											
Endocrine, Nutritional, & Metabolic Diseases											
Diabetes mellitus	210-239	71	1.5	71		2		1			
Avitaminoses, other nutritional deficiencies	240-279	933	20.1	907	26	6	1	1		4	
Other metabolic diseases	250	703	15.1	678	25						
<u>Diseases of the Blood & Blood Forming Organs</u>											
Anemias	260-269	74	1.6	74		6	1			4	
All other		156	3.4	155	1						1
<u>Mental Disorders</u>											
Diseases of the Nervous System & Sense Organs	280-289	89	1.9	86	3			1			
Diseases of the Circulatory System	280-285	50	1.1	48	2						1
Rheumatic fever	286-289	39	0.8	38	1						
Chronic rheumatic heart disease	290-315	242	5.2	220	22			1		2	
Hypertension w/o ment. of hrt.	320-389	397	8.5	387	10	13	3	18		4	1
Hypertension w/heart disease	390-458	21,506	463.1	21,134	367	15	3	4		4	
Acute ischemic heart disease	390-392	6		6							
Chronic ischemic heart disease	393-398	284	6.1	282	2						
Other ischemic heart disease	400(exc.400.1),401,403	132	2.8	129	3						
Cerebrovascular disease	400.1,402,404	227	4.9	219	8						
Arteriosclerosis	410	6,332	136.3	6,256	74					1	
Other diseases of arteries, arterioles	412	7,281	156.8	7,130	150						
Dis. of veins & lymphatics, & dis. of circ.sys.	411,413	79	1.7	77	2		1				
All other forms of heart disease	424,428	98	2.1	98		3					
<u>Diseases of the Respiratory System</u>											
Influenza	430-438	4,050	87.2	3,978	70			1		1	
Pneumonia	440	723	15.6	713	10						
Bronchitis, chronic and unqualified	441-448	596	12.8	591	5						
Emphysema and asthma	450-458	323	7.0	311	12					1	
Other		1,375	29.6	1,344	31	12	2	3		1	
<u>Diseases of the Digestive System</u>											
Ulcer-stomach, duodenum; peptic & gastrojejunal	460-519	2,081	44.8	2,032	49	35	3	14	1	3	
Cirrhosis of liver	470-474	65	1.4	65				1			
w/alcoholism	480-486	998	21.5	974	24	28	1	6	1	2	
w/o mention of alcohol	490,491	56	1.2	55	1						
Other	492,493	299	6.4	293	6						
<u>Diseases of the Genitourinary System</u>											
Nephritis and nephrosis	520-577	1,242	26.7	1,207	34	7	2	7		1	
Infection of kidney	531-534	131	2.8	129	2	10		2		3	
Hyperplasia of prostate	571	475	10.2	456	18					1	
Other	571.0	208	4.5	197	10						
<u>Complications of Preg., Childbirth & Puerperium</u>											
Abortions	571.8,.9	267	5.7	259	8	1				1	
Other		636	13.7	622	14	9		2		2	
<u>Diseases of the Skin & Subcutaneous Tissue</u>											
Dis.-Musculoskeletal Sys. & Connective Tissue	580-629	476	10.2	452	24	1		1			
Congenital Anomalies	580-584	136	2.9	123	13	1					
Certain Causes of Perinatal Morb. & Mortality	590	72	1.6	72							
Birth injuries	600	34	0.7	33	1						
Anoxic and hypoxic conditions		234	5.0	224	10			1			
Other		7		6	1						
<u>Accidents, Poisonings, and Violence</u>											
Motor vehicle	630-678	7		6	1						
All other accidents	640-645	7		6	1						
Suicide		32	0.7	29	3						
Homicide and legal intervention	680-709	145	3.1	141	4						
Operations of war & undetermined violent deaths	710-738	283	6.1	269	14	171	10	22	3	6	
<u>Ill-Defined Conditions</u>											
Birth injuries	740-759	330	7.1	295	35	295	35				
Anoxic and hypoxic conditions	760-779	25	0.5	21	4	21	4				
Other	764-768:.0-.3,772	135	2.9	124	11	124	11				
<u>Accidents, Poisonings, and Violence</u>											
Motor vehicle	764-768:.4,.9,776	170	3.7	150	20	150	20				
All other accidents		434	9.3	395	36	95	21	5		1	
Suicide	800-807,825-827,830-949	2,653	57.1	2,484	160	17	7	62	9	52	8
Homicide and legal intervention	810-823	935	20.1	911	23	3		21	3	29	1
Operations of war & undetermined violent deaths	950-959	591	12.7	565	26	10	4	36	3	22	7
Other	960-978	148	3.2	99	49	3	2	5	1	1	
	980-999	32	0.7	23	9	1	1	2			

*Eighteen deaths, race not stated, are included in total column only.

Rate per 100,000 population for specific causes.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Table 33 (Cont.)

DEATHS BY MAJOR CAUSES, WHITE AND NONWHITE
Wisconsin, 1977
(Resident Data)

P. 2 of 4 pages

Cause of Death	ICDA	10-14		15-19		20-24		25-29		30-34		35-39	
		W	NW	W	NW	W	NW	W	NW	W	NW	W	NW
Total		113	11	402	24	407	33	333	37	281	33	310	33
<u>Infective & Parasitic Diseases</u>	000-136	2	1	5		5		3		1	2	5	1
Tuberculosis - all forms	010-019					1						2	
Septicemia and other bacterial diseases	038,039			1		4		3		1	2	3	1
All other infective & parasitic diseases		2	1	4		4		3		1	2	3	1
<u>Malignant Neoplasms</u>	140-209	21	1	25	2	33	4	37	3	52	3	66	3
Buccal cavity and pharynx	140-149												
Esophagus	150										1	1	
Stomach	151					2				3		2	
Large intestines, except rectum	153			1				1		3	1	4	
Rectum	154												
Liver(primary), bile ducts, gallbladder	155,156							1				1	
Pancreas	157												
Respiratory except lung, trachea & bronchus	160,161,163												
Trachea, lung and bronchus	162	1				2				1		5	
Breast	174							4		12		16	1
Cervix uteri, ovary & other fem. genital organs	180-184		1			2		4		1		7	
Prostate & other male genital organs	185-187					2		5		2		4	
Bladder	188												
Kidney and other urinary organs	189												
Brain	191	3		1	1	5		3		9		1	
Leukemia and aleukemia	204-207	12		9		4	1	5	1	6	1	4	
Lymphosarcoma & hematopoietic tissue	200-203,208,209	4		3		6	1	5	1	6		3	1
All other malignant neoplasms		1		11	1	10	2	10		9		14	1
<u>Neoplasms, benign and unspecified</u>	210-239							3		2		1	
<u>Endocrine, Nutritional, & Metabolic Diseases</u>	240-279	3		4		3	2	9	1	7		14	
Diabetes mellitus	250			1		3	2	6	1	4		11	
Avitaminoses, other nutritional deficiencies	260-269									1			
Other metabolic diseases		3		3				3		2		3	
<u>Diseases of the Blood & Blood Forming Organs</u>	280-289					1				2			1
Anemias	280-285					1						1	
All other	286-289									2			
<u>Mental Disorders</u>	290-315			1		3			1	1	1	2	3
<u>Diseases of the Nervous System & Sense Organs</u>	320-389	4		14		6	2	9		10		6	
<u>Diseases of the Circulatory System</u>	390-458	9		6		14	1	30	3	36	5	73	3
Rheumatic fever	390-392											1	
Chronic rheumatic heart disease	393-398	2						2		1		4	
Hypertension w/o ment. of hrt.	400(exc.400.1),401,403												
Hypertension w/heart disease	400.1,402,404									1		1	
Acute ischemic heart disease	410					1		6		9	1	21	2
Chronic ischemic heart disease	412						1	2	1	7	1	8	1
Other ischemic heart disease	411,413											2	
Chronic dis. of endocardium, other myocard. infarct	424,428									2			
Cerebrovascular disease	430-438	1		2		5		12		7		19	
Arteriosclerosis	440												
Other diseases of arteries, arterioles	441-448			2								3	
Dis. of veins & lymphatics, & dis. of circ. sys.	450-458					2		2	1	3	1	3	
All other forms of heart disease		5		2		6		6	1	6	2	11	
<u>Diseases of the Respiratory System</u>	460-519	1	1	1	1	7		8	1	6	1	7	3
Influenza	470-474					1							
Pneumonia	480-486	1	1	1		3		7		1	1	4	2
Bronchitis, chronic and unqualified	490,491									2		1	
Emphysema and asthma	492,493									2		2	
Other						1	3	1	1	1		1	
<u>Diseases of the Digestive System</u>	520-577		1	4		1	1	4	2	11	5	24	1
Ulcer-stomach, duodenum; peptic & gastrojejunal	531-534					1				1		1	
Cirrhosis of liver	571							2	1	8	2	16	
w/alcoholism	571.0							1	1	4	2	7	
w/o mention of alcohol	571.8,.9							1		4		9	
Other			1	4		1		2		3	3	7	1
<u>Diseases of the Genitourinary System</u>	580-629			1		2		2	1	3		2	3
Nephritis and nephrosis	580-584					1				2		1	2
Infection of kidney	590			1									
Hyperplasia of prostate	600												
Other						1		2	1	1		1	1
<u>Complications of Preg., Childbirth & Puerperium</u>	630-678							2		3	1	1	
Abortions	640-645												
Other								2		3	1	1	
<u>Diseases of the Skin & Subcutaneous Tissue</u>	680-709												
<u>Dis.-Musculoskeletal Sys. & Connective Tissue</u>	710-738	1				1		1	1	1		1	
Congenital Anomalies	740-759	6		5		7	1	7		4		5	
<u>Certain Causes of Perinatal Morb. & Mortality</u>	760-779												
Birth injuries	764-768:.0-.3,772												
Anoxic and hypoxic conditions	764-768:.4,.9,776												
Other													
<u>Ill-Defined Conditions</u>	780-796	1		2		7	3	3	1	1	1	4	
<u>Accidents, Poisonings, and Violence</u>	E800-999	65	7	334	20	317	20	215	23	141	14	99	15
Motor vehicle	810-823	27		205	4	160	2	105	1	59	1	41	3
All other accidents	800-807,825-827,830-949	30	6	65	2	62	5	37	5	30	4	19	3
Suicide	950-959	3		54	2	76	6	61	2	40	7	34	4
Homicide and legal intervention	960-978	3	1	7	11	16	4	11	14	11	2	3	5
Operations of war & undeterm'd violent deaths	980-999	2		3	1	3	3	1	1	1		2	

Table 33 (Cont.)
DEATHS BY MAJOR CAUSES, WHITE AND NONWHITE
Wisconsin, 1977

P. 3 of 4 pages

(Resident Data)

Cause of Death	ICDA	40-44		45-49		50-54		55-59		60-64		65-69	
		W	NW	W	NW	W	NW	W	NW	W	NW	W	NW
Total		459	27	837	55	1365	81	2225	58	3010	91	4095	106
<u>Infective & Parasitic Diseases</u>	000-136	2	3	7		12		20	1	23	2	18	
Tuberculosis - all forms	010-019	2	2	2		1		3	1	5		1	
Septicemia and other bacterial diseases	038-039			2		7		9		12	1	10	
All other infective & parasitic diseases		2	1	3		4		8		6	1	7	
<u>Malignant Neoplasms</u>	140-209	133	6	256	17	460	28	724	19	968	21	1149	36
Buccal cavity and pharynx	140-149	3		7		10	1	17		35	1	34	
Esophagus	150			4	1	12	1	16	1	13		13	
Stomach	151	3		7	1	13	1	20		15		42	1
Large intestines, except rectum	153	10	1	16	5	53	1	69	2	112	2	138	4
Rectum	154	5		3	1	14	1	22		28		25	
Liver(primary), bile ducts, gallbladder	155,156	4		3	1	7		8	1	18		20	1
Pancreas	157	7	1	10	1	18	3	47	1	50		62	1
Respiratory except lung, trachea & bronchus	160,161,163			1		5	1	13	1	23		15	
Trachea, lung and bronchus	162	22	3	64	6	122	8	183	9	243	9	271	11
Breast	174	26	1	52		63	3	99		101	1	112	2
Cervix uteri, ovary & other fem. genital organs	180-184	11		15	1	38	1	53	1	73	1	70	2
Prostate & other male genital organs	185-187	2		2		2	1	13		35	2	44	3
Bladder	188	1		4		5		6		17		31	
Kidney and other urinary organs	189	2		6	1	12		29		24		23	1
Brain	191	9		9		12		17		19		26	3
Leukemia and aleukemia	204-207	6		10		11		18		27		35	
Lymphosarcoma & hematopoietic tissue	200-203,208,209	6		20	1	28		31	1	58	1	67	4
All other malignant neoplasms		16		23	3	35	6	63	2	77	4	121	3
<u>Neoplasms, benign and unspecified</u>	210-239			2		1		4		7		10	
<u>Endocrine, Nutritional, & Metabolic Diseases</u>	240-279	15		23	2	22	2	56	2	79	4	94	3
Diabetes mellitus	250	13		18	2	14	2	33	2	62	4	72	3
Avitaminoses, other nutritional deficiencies	260-269					1		4		4		6	
Other metabolic diseases		2		5		7		19		13		16	
<u>Diseases of the Blood & Blood Forming Organs</u>	280-289			1	1	5		7		9		10	
Anemias	280-285							2		7		7	
All other	286-289			1	1	5		5		7		3	
<u>Mental Disorders</u>	290-315	6	2	9	3	15	4	17	2	25	1	24	1
<u>Diseases of the Nervous System & Sense Organs</u>	320-389	3		13		18		35		44	1	42	1
<u>Diseases of the Circulatory System</u>	390-458	141	6	295	15	554	26	993	24	1383	44	1777	54
Rheumatic fever	390-392			1								1	
Chronic rheumatic heart disease	393-398	7		8		10		20		31	1	43	
Hypertension w/o ment. of hrt. 400(exc.400.1),401,403				3	1	1		6		3		4	
Hypertension w/heart disease 400.1,402,404		2	1	2		6		13	1	14		27	3
Acute ischemic heart disease	410	54	2	114	2	255	8	432	3	603	9	909	14
Chronic ischemic heart disease	412	32	2	76	6	114	8	236	12	346	18	558	21
Other ischemic heart disease	411,413	2				9		7	1	11		8	
Chronic dis. of endocardium, other myocard. insuf	424,428			1		3		2		8		5	
Cerebrovascular disease	430-438	23		35	4	57	4	115	2	152	8	302	8
Arteriosclerosis	440			2		6		6	1	15	1	30	1
Other diseases of arteries, arterioles	441-448	2		10		16	1	30		34		77	2
Dis. of veins & lymphatics, & dis. of circ. sys.	450-458	4		8		9	1	22	2	31	3	44	1
All other forms of heart disease		15	1	35	2	68	3	104	2	135	4	169	4
<u>Diseases of the Respiratory System</u>	460-519	16	1	19	2	53	4	80	2	133	4	213	2
Influenza	470-474	1		2		1				7		2	
Pneumonia	480-486	8	1	7	1	18	2	33	1	39	1	47	1
Bronchitis, chronic and unqualified	490,491			1		2		1		4		6	
Emphysema and asthma	492,493	1		4	1	11		13		31		54	
Other		6		5		21	2	33	1	52	3	104	1
<u>Diseases of the Digestive System</u>	520-577	30		59	6	84	5	118	4	143	3	144	2
Ulcer-stomach, duodenum; peptic & gastrojejunal	531-534	2		4		3		8		20		20	
Cirrhosis of liver	571	20		34	5	59	3	77	4	84	2	71	1
w/alcoholism	571.0	12		20	3	31		34	2	38	1	31	1
w/o mention of alcohol	571.8,.9	8		14	2	28	3	43	2	46	1	40	
Other		8		21	1	22	2	33		39	1	53	1
<u>Diseases of the Genitourinary System</u>	580-629	8		6	4	6	2	14	1	26	4	41	1
Nephritis and nephrosis	580-584	2		4	3	1		6		8	3	19	1
Infection of kidney	590					3		1				2	
Hyperplasia of prostate	600					1				1		2	
Other		6		2	1	2	1	7	1	17	1	18	
<u>Complications of Preg., Childbirth & Puerperium</u>	630-678												
Abortions	640-645												
Other													
<u>Diseases of the Skin & Subcutaneous Tissue</u>	680-709	1				1				3		2	1
<u>Dis.-Musculoskeletal Sys. & Connective Tissue</u>	710-738	2		6		9	1	9	1	14		21	
<u>Congenital Anomalies</u>	740-759	2		6		3		8		4		4	
<u>Certain Causes of Perinatal Morb. & Mortality</u>	760-779												
Birth injuries	764-768;.0-.3,772												
Anoxic and hypoxic conditions	764-768;.4,.9,776												
Other													
<u>Ill-Defined Conditions</u>	790-796	2		6		7	1	8		17	2	19	
<u>Accidents, Poisonings, and Violence</u>	800-999	98	9	129	5	115	8	132	2	132	5	127	5
Motor vehicle	810-822	35		34	1	35	1	24	1	31	2	23	3
All other accidents	800-807,823-827,830-949	29	4	39	2	35	2	50	1	57	2	68	1
Suicide	850-859	30	2	45	1	39	2	48		40		31	
Homicide and legal intervention	860-878	4	2	8	1	5	3	9		3	1	3	1
Operations of war & intermediate violent threats	880-899	1		3		1		1		1		2	

(Resident Data)

Cause of Death	ICDA	70-74		75-79		80-84		85+		Unknown	
		W	NW	W	NW	W	NW	W	NW	W	NW
Total		4,794	91	5,463	75	5,713	63	7,547	76	1	2
<u>Infective & Parasitic Diseases</u>	000-136	16	1	31	2	40	1	30	3		
Tuberculosis - all forms	010-019	3	1	3		6		4	1		
Septicemia and other bacterial diseases	038,039	4		18	1	18	1	14			
All other infective & parasitic diseases		9		10	1	16		12	2		
<u>Malignant Neoplasms</u>	140-209	1,156	20	1,074	15	944	11	794	8		
Buccal cavity and pharynx	140-149	21		18	1	16		10			
Esophagus	150	25	1	13	1	15		16			
Stomach	151	48	1	50	1	50		49	1		
Large intestines, except rectum	153	123	2	134	2	138	3	119	2		
Rectum	154	22		29	1	38	1	36			
Liver(primary), bile ducts, gallbladder	155,156	29	1	28	1	23	1	15			
Pancreas	157	88	1	59	1	54		30	2		
Respiratory except lung, trachea & bronchus	160,161,163	9	2	9		7		10			
Trachea, lung and bronchus	162	266	5	192	1	99		78			
Breast	174	90	2	73		85		74	1		
Cervix uteri, ovary & other fem. genital organs	180-184	53	1	47	1	51		32			
Prostate & other male genital organs	185-187	63	3	103		101	3	95	2		
Bladder	188	29		46	2	39		56			
Kidney and other urinary organs	189	24		31		21		22			
Brain	191	18		13		6		2			
Leukemia and aleukemia	204-207	48		57		44		46			
Lymphosarcoma & hematopoietic tissue	200-203,208,209	72		64		64	1	36			
All other malignant neoplasms		128	1	108	3	93	2	98			
<u>Neoplasms, benign and unspecified</u>	210-239	8		10		14		6			
<u>Endocrine, Nutritional, & Metabolic Diseases</u>	240-279	140	3	116	3	145	1	166	2		
Diabetes mellitus	250	116	3	87	3	120	1	118	2		
Avitaminoses, other nutritional deficiencies	260-269	2		6		13		36			
Other metabolic diseases		22		23		12		12			
<u>Diseases of the Blood & Blood Forming Organs</u>	280-289	6		15		13		16			
Anemias	280-285	3		11		9		13			
All other	286-289	3		4		4		3			
<u>Mental Disorders</u>	290-315	15	1	19	1	28	2	52			
<u>Diseases of the Nervous System & Sense Organs</u>	320-389	45	1	43	1	36		24			
<u>Diseases of the Circulatory System</u>	390-458	2,749	53	3,439	40	3,793	42	5,418	46	1	2
Rheumatic fever	390-392			1		1		24			
Chronic rheumatic heart disease	393-398	48		45		37	1	21			
Hypertension w/o ment. of hrt.	400(exc.400.1),401,403	16		26		25		45	1		
Hypertension w/heart disease	400.1,402,404	32	1	34	1	34		53	1		
Acute ischemic heart disease	410	1,025	10	1,067	13	889	5	870	5		
Chronic ischemic heart disease	412	781	29	1,146	10	1,452	18	2,371	21	1	1
Other ischemic heart disease	411,413	7		11		10		10			
Chronic dis. of endocardium, other myocard. insuf	424,428	6		10		27		31			
Cerebrovascular disease	430-438	465	8	696	11	854	11	1,231	13		1
Arteriosclerosis	440	49	1	74	1	145	3	386	2		
Other diseases of arteries, arterioles	441-448	88		106		99	2	124			
Dis. of veins & lymphatics, & dis. of circ. sys.	450-458	42	1	41	1	44		54	1		
All other forms of heart disease		190	3	182	3	176	2	218	2		
<u>Diseases of the Respiratory System</u>	460-519	290	8	319	5	331	2	496	8		
Influenza	470-474	4		5		15		26			
Pneumonia	480-486	85	1	139	1	185	2	360	7		
Bronchitis, chronic and unqualified	490,491	16		12	1	5		5			
Emphysema and asthma	492,493	67	3	56	2	33		19			
Other		118	4	107	1	93		86	1		
<u>Diseases of the Digestive System</u>	520-577	147		137		123	1	163	3		
Ulcer-stomach, duodenum; peptic & gastrojejunal	531-534	20		13		20		18			
Cirrhosis of liver	571	39		27		9		8			
w/alcoholism	571.0	11		7				1			
w/o mention of alcohol	571.8,.9	28		20		9		7			
Other		88		97		94	1	137	3		
<u>Diseases of the Genitourinary System</u>	580-629	60	1	75	5	84		120	2		
Nephritis and nephrosis	580-584	17	1	18	3	24		19			
Infection of kidney	590	11		11		16		27			
Hyperplasia of prostate	600	6		4		9		11			
Other	601-629	26		42	2	35		63	2		
<u>Complications of Preg., Childbirth & Puerperium</u>	630-678										
Abortions	640-645										
Other											
<u>Diseases of the Skin & Subcutaneous Tissue</u>	680-709	3	1	7		4	1	8			
<u>Dis.-Musculoskeletal Sys. & Connective Tissue</u>	710-738	17		19	1	19		19			
<u>Congenital Anomalies</u>	740-759	5		1		2		1			
<u>Certain Causes of Perinatal Morb. & Mortality</u>	760-779										
Birth injuries	764-768;.0-.3,772										
Anoxic and hypoxic conditions	764-768;.4,.9,776										
Other											
<u>Ill-Defined Conditions</u>	780-796	23		49	2	40	2	105	3		
<u>Accidents, Poisonings, and Violence</u>	E800-999	114	2	109		97		129	1		
Motor vehicle	810-823	26		30		16		7			
All other accidents	800-807,825-827,830-949	51	1	59		74		113	1		
Suicide	950-959	32		18		6		8			
Homicide and legal intervention	960-978	3	1	2		1		1			
Operations of war & undeterm'd.violent deaths	980-999	2									

Figure 7

ACCIDENTAL DEATHS
PERCENT DISTRIBUTION BY AGE GROUP AND SEX
Wisconsin, 1977

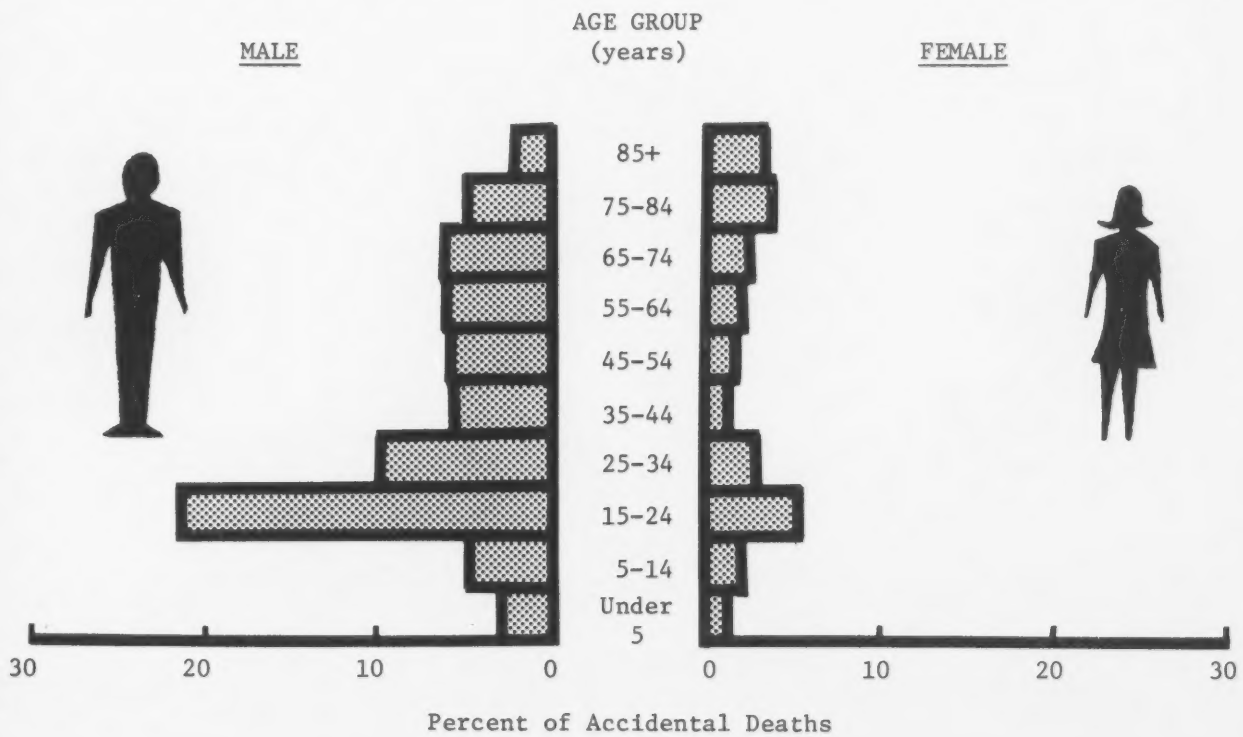


Table 34

ACCIDENTAL DEATHS BY CAUSE; AGE AND SEX
Wisconsin, 1977

P. 1 of 4 pages

(Occurrence Data)

Cause of Accidental Death	ICDA	Total		Age Groups									
		All Ages		Under 1		1-4		5-14		15-19		20-24	
		Male	Female	M	F	M	F	M	F	M	F	M	F
Total		1364	570	12	5	38	25	91	42	216	69	198	44
I. Railroad Accidents	800-807	4	1				1			1			
Involv'g. derailm't.w/o antecedent colli.	802	1											
Hit by rolling stock	805	3	1				1			1			
II. Motor Vehicle Traffic	810-819	654	275	1	2	11	6	32	24	155	57	137	33
Collision with train	810	22	8				1			6	2	3	2
W/another motor vehicle	812	259	146		2	4	7	7	52	22	54	14	
With other vehicle	813	18	8			2	7	6	3		2		
To pedestrian	814	74	40			3	1	10	7	10	9	5	4
Collision w/non-motor vehicle	815	110	31			1		1	3	38	8	35	5
Noncollision due to loss of control	816	151	37	1		1		6	1	44	16	34	7
Other noncollision	818	13	4					1		2		2	1
Unspecified	819	7	1									2	
III. Motor Vehicle Non Traffic	820-823	21	8	1		5	1	2	1	1	1	4	1
Collision with moving object	820	8	2			2	1	1		1		1	
Collision with stationary object	821	2	1						1				
Accident while boarding or alighting	822	1											
Unspecified	823	10	5	1		3		1			1	3	1
IV. Other Road Vehicle Accidents	825-827		1				1						
Other nonmotor	827		1				1						
V. Water Transport Accident	830-838	36	2							6		3	
Watercraft submersion	830	22								4		2	
Accidental submersion or drowning	832	13	2							2		1	
Fall:stairs/ladders in water transport	833	1											
VI. Aircraft Accidents	840-845	19	3					1		2		2	1
Powered aircraft at take-off or landing	840	5	1					1					
Powered aircraft, other, unspecified	841	14	1							2		2	1
Other	844		1										
VII. Accidental Poisoning/Drugs & Medicaments	850-859	11	14				1		1		2	2	
Hormones and synthetic substitutes	851		1										
Systemic and hematologic agents	852		1						1				
Analgesics and antipyretics	853	3	3								1		
Other sedatives, hypnotics	854	1										1	
Autonomic nervous system and psychotherapeutic drugs	855		3										
Other central nervous system depressants and stimulants	856	1											
Other & unspecified drugs & medicaments	859	6	6				1				1	1	
VIII. Poisoning:Other Solid/Liquid Substances	860-869	17	14	1						2	2	3	2
Alcohol	860		3								1		
Cleaning and polishing agents	861	1		1									
Disinfectants	862	1											
Petroleum products & other solvents	864	1											
Other/unspec. solid & liquid substances	869	14	11							2	1	3	2
IX. Poisoning by Gases, Vapors	870-877	46	10					2		10	1	6	2
Gas distributed by pipeline	870	3											
Liquefied petroleum gas/mobile cont'rs.	871	2										1	
Motor vehicle exhaust gas	873	29	6							5		4	1
Carbon monoxide from incomplete combustion domestic fuels	874	2	1							1			
Other carbon monoxide	875	5	1							2	1	1	
Other gases and vapors	876	5	2					2		2			1

When a cause is not listed it means that no deaths were reported for this year.

P. 2 of 4 pages

(Occurrence Data)

Cause of Accidental Death	ICDA	Total		Age Groups										
		All Ages		Under 1		1-4		5-14		15-19		20-24		
		Male	Female	M	F	M	F	M	F	M	F	M	F	
X. Accidental Falls	880-887	163	126					3	3		3	1	6	
Stairs or steps	880	35	20					1						
Ladders or scaffolding	881	15									1			
From or out of bldg. or other structure	882	13	1									1	2	
Into hole or other opening in surface	883	1	1											
One level to another	884	11	14					2			1		3	
Same level from slipping, stumbling or tripping	885	11	10											
Same level from collision, pushing or shoving by or w/other person	886	2							1					
Other and unspecified	887	75	80						2		1		1	
XI. Fires and Flames	890-899	60	34	1		3	5	6	5	2	2	4	2	
Conflagration in private dwelling	890	48	28	1		3	5	6	5	2	2	4	2	
Ignition of clothing	893	4	2											
Ignition inflammable material	894		1											
Other specified fires or flames	898	5	3											
Unspecified fire	899	3												
XII. Natural and Environmental Factors	900-909	21	12					1		1			2	
Excessive heat	900		2					1						
Excessive cold	901	12	6										2	
Hunger, thirst, exposure, neglect	904	4	3											
Other animals	906	3	1							1				
Lightening	907	1												
Cataclysm	908	1												
XIII. Other	910-929	291	51	6	3	19	6	45	10	34	3	28	3	
Drowning or submersion	910	93	17	1		8	4	27	5	14	1	9		
Inflation and ingestion of food causing obstruction or suffocation	911	38	9	4	3	2	1			2		2		
Inflation and ingestion, other	912	10	5						1			1	1	
Mechanical suffocation	913	17	1	1		2		6	1	2		2		
Struck by falling object	916	19	3					1	2	1		1		
Striking against or struck by object	917	19	4			3	1	1		1	1	1		
Caught in or between objects	918	16	1			2		1	1	3		1		
Overexertion and strenuous movements	919	1												
Accident caused by cutting or piercing instruments	920	3	2			1								
Explosion of pressure vessel	921	1												
Firearm missiles	922	20	3			1		6		5		2	2	
Explosive material	923	1								1				
Hot substance, corrosive liquid, & steam	924	4	2										1	
Electric current	925	13	1							2		5		
Vehicle not elsewhere	927	5	1							1		2		
Machinery, not elsewhere	928	22	2					3		1	1	1		
Other and unspecified accidents	929	9								1				
XIV. Surgical and Medical														
Complications and Misadventures	930-936	11	11	2										
Operative therapeutic procedures	930	1	4											
Other and unspecified	931	3	3											
Diagnostic procedures	932	7	4	2										
XV. Late Effects of Accidental Injury	940-949	10	8										1	
Motor vehicle accident	940	5	2										1	
Accidental fall	943		6											
Other accident	946	5												

Table 34 (Cont.)

ACCIDENTAL DEATHS BY CAUSE; AGE AND SEX
Wisconsin, 1977

P. 3 of 4 pages

(Occurrence Data)

Cause of Accidental Death	ICDA	Age Groups													
		25-34		35-44		45-54		55-64		65-74		75-84		85+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total		196	59	112	34	116	40	118	48	119	57	99	79	49	68
I. Railroad Accidents	800-807							2		1					
Involving derailment w/o antecedent collision	802							1							
Hit by rolling stock	805							1		1					
II. Motor Vehicle Traffic	810-819	121	43	55	23	46	23	34	20	29	22	27	21	6	1
Collision with train	810	4	1	3	1	1		2	1	1		2			
W/another motor vehicle	812	45	26	30	14	24	17	16	10	14	16	11	14	2	
With other vehicle	813	1			1	3		1							
To pedestrian	814	12	5	2		3		11	4	6	3	10	6	2	1
Collision w/non-motor vehicle	815	17	5	8	3	5	4	3	1		2	2			
Noncollision due to loss of control	816	39	6	10	1	5	2	2	2	6	1	2	1	1	
Other noncollision	818	3		1	3	3				1					
Unspecified	819			1		2		1		1				1	
III. Motor Vehicle Non Traffic	820-823	5			1	1	1	1	1		1	1			
Collision with moving object	820	1				1		1	1						
Collision with stationary object	821	2													
Accident while boarding/alighting	822											1			
Unspecified	823	2			1		1				1				
IV. Other Road Vehicle Accidents	825-827														
Other nonmotor	827														
V. Water Transport Accident	830-838	5		5	1	8		4		5	1				
Watercraft submersion	830	3		5		3		1		4					
Accidental submersion or drowning	832	2			1	4		3		1	1				
Fall on stairs or ladders	833					1									
VI. Aircraft Accidents	840-845	5	1	3	1	3		1		2					
Powered aircraft:take-off/landing	840	1		2	1	1									
Powered aircraft,other, unspecified	841	4		1		2		1		2					
Other	844		1												
VII. Accidental Poisoning by Drugs and Medicaments	850-859	5	4	1	1	2		1		1	3			1	
Hormones and synthetic substitutes	851										1				
Systemic and hematologic agents	852														
Analgesics and antipyretics	853	1				2				2					
Other sedatives, hypnotics	854														
Autonomic nervous system and psychotherapeutic drugs	855				1			1						1	
Other central nervous system depressants and stimulants	856	1													
Other & unspec. drugs & medicaments	859	3	4	1						1					
VIII. Poisoning by Other Solid and Liquid Substances	860-869	1	4	3	1	2	2	1	1	2	1	2	1	1	
Alcohol	860		1											1	
Cleaning and polishing agents	861														
Disinfectants	862											1			
Petroleum products & other solvents	864							1							
Other and unspecified	869	1	3	3	1	2	2		1	2	1	1			
IX. Poisoning by Gases, Vapors	870-877	9	3	4		8	2	5	1	1		1	1		
Gas distributed by pipeline	870					2		1							
Liquefied petrol.gas/mobile cont'rs.	871	1													
Motor vehicle exhaust gas	873	6	3	4		6	1	3				1	1		
Carbon monoxide from incomplete combustion domestic fuels	874							1	1						
Other carbon monoxide	875	1								1					
Other gases and vapors	876	1					1								

Table 34 (Cont.)

ACCIDENTAL DEATHS BY CAUSE; AGE AND SEX
Wisconsin, 1977

P. 4 of 4 pages

(Occurrence Data)

Cause of Accidental Death	ICDA	Age Groups													
		25-34		35-44		45-54		55-64		65-74		75-84		85+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
X. Accidental Falls	880-887	4		12	2	13	3	24	12	31	9	39	39	28	57
Stairs or steps	880			4	2	3	1	13	7	6	1	5	4	4	4
Ladders or scaffolding	881	1		2		1		2		5		3			
From or out of building or other structure	882	1		2		3		1		3		1			
Into hole/other opening in surface	883					1		1							
One level to another	884					3	1			1	1		2	3	8
Same level from slipping, stumble or tripping	885			1		1	1	3		2	2	3	4	1	3
Same level from collision, pushing or shoving by or w/other person	886									1					
Other and unspecified	887	2		3		1		5	4	13	5	27	29	20	42
XI. Fires and Flames	890-899	3	1	2		6	3	10	2	14	9	6	3	3	2
Conflagration in private dwelling	890	2	1	2		5	2	9	1	8	6	4	2	2	2
Ignition of clothing	893									2	1	2	1		
Ignition inflammable material	894						1								
Other specified fires or flames	898	1				1		1	1	1	2			1	
Unspecified fire	899									3					
XII. Natural and Environmental Factors	900-909	3		1		2	1	4	1	5	1	4	4		3
Excessive heat	900														1
Excessive cold	901					1	1	3	1	3	1	3	2		1
Hunger, thirst, exposure, neglect	904	1				1		1				1	2		1
Other animals	906	1								2					
Lightening	907	1													
Cataclysm	908			1											
XIII. Other	910-929	34	2	24	4	22	4	27	4	23	6	18	4	11	2
Drowning or submersion	910	14	1	6	1	4	3	4		2	1	3	1	1	
Inflation and ingestion of food causing obstruction/suffocation	911	2		5		3		9		4	2	4	1	1	2
Inflation and ingestion, other	912			1	1		1		1	1		1		6	
Mechanical suffocation	913	2		1		1									
Struck by falling object	916	1		6		3		3	1	1		2			
Striking against or struck by object	917	2				4		3			2	3		1	
Caught in or between objects	918	2				4				2		1			
Overexertion & strenuous movements	919									1					
Accident caused by cutting or piercing instruments	920			1						1	1		1		
Explosion of pressure vessel	921							1							
Firearm missiles	922	4	1			1				1					
Explosive material	923														
Hot substance/corrosive liquid/steam	924	1						1				1	1	1	
Electric current	925	3		1	1	1		1							
Vehicle not elsewhere	927	1			1			1							
Machinery, not elsewhere	928	1		3		1		2	1	7		3			
Other and unspecified accidents	929	1						3		3				1	
XIV. Surgical and Medical															
Complications and Misadventures	930-936			2		1	1	3	4	1	2	1	3	1	1
Operative Therapeutic procedures	930							1	1		1		2		
Other and unspecified	931			1		1		1	2		1				
Diagnostic procedure	932			1			1	1	1	1		1	1	1	1
XV. Late Effects of Accidental Injury	940-949	1	1			2		2	1	4	2		3		1
Motor vehicle accident	940	1	1			1		1		1	1				
Accidental fall	943							1			1		3		1
Other accident	946					1		1		3					

Table 34a
 ACCIDENTAL DEATHS BY AGE AND TYPE OF ACCIDENT
 (CLASSIFIED ACCORDING TO NATIONAL SAFETY COUNCIL DEFINITIONS)
 Wisconsin, 1977

(Occurrence Data)								
	TYPE OF ACCIDENT	Total	0-4	5-14	15-24	25-44	45-64	65+
	Total.....	1,900	76	135	515	400	313	461
WORK (except public trans.)	Work Total.....	99		5	16	30	30	18
	Agriculture.....	41		5	5	3	16	12
	Mining, Quarrying, Oil and Gas Wells.....	-						
	Construction.....	14			1	7	5	1
	Manufacturing.....	13			4	5	3	1
	Transportation and Public Utilities.....	5			1	2	2	
	Trade.....	2				2		
	Service.....	9			3	3	3	
	Government.....	-						
	Other and Unspecified Industry.....	15			2	8	1	4
HOME	Home Total.....	400	35	26	45	47	86	161
	Poisonings (gas excepted).....	39	2		9	16	6	6
	Poisonings by Gases and Vapors.....	35		2	10	6	15	2
	Falls.....	139	3	2		6	32	96
	Fires.....	90	10	12	11	6	19	32
	Drowning.....	19	7	3	1	2	4	2
	Suffocation, Ingested Food or Object.....	21	6		1	4	5	5
	Suffocation, Mechanical.....	12	3	3	4	2		
	Firearms.....	12		3	7	2		
	Other and Unspecified Home Accidents.....	33	4	1	2	3	5	18
MOTOR VEHICLE	Motor-Vehicle Total.....	956	23	60	387	248	127	111
	Injury to Pedestrian.....	119	5	17	29	19	20	29
	Injury to Pedal Cyclist.....	27	2	14	5	2	4	
	Injury to Rider of Animal or Occupant of Animal-Drawn Vehicle.....	-						
	Collision with Railroad Train.....	30	1		13	9	4	3
	Collision with Other Motor Vehicle.....	405	9	14	140	115	67	60
	Collision with Fixed Object.....	139	1	4	84	34	12	4
	Noncollision.....	207	1	8	108	63	15	12
	Other and Unspecified Accidents.....	29	4	3	8	6	5	3
PUBLIC	Public Non-Motor Vehicle Total.....	356	13	43	59	67	55	119
	Railroad--Not with Motor Vehicle.....	5	1		1		2	1
	Other Vehicle--Not with Motor Vehicle.....	1	1					
	Water Transport.....	39			8	13	13	5
	Air Transport.....	22		1	5	10	5	1
	Falls.....	99		1	7	6	8	77
	Fires.....	3						3
	Drowning.....	81	6	29	18	16	6	6
	Firearms.....	10	1	4	2	2		1
	Other and Unspecified Public Accidents.....	96	4	8	18	20	21	25
	Accident Type Unknown and Late Effects.....	89	5	1	8	8	15	52

Table 35

DEATHS FROM ACCIDENTS, POISONINGS AND VIOLENCE, BY CAUSE, BY COUNTY
Wisconsin, 1977

P. 1 of 2 pages

(Occurrence Data)

County	Total	Accidental Causes of Death													Suicide	Homicide	Other Violent Deaths
		Total Accidents	Home	Motor Vehicle	Water Transport	Other Transport	Poison	Falls	Machinery	Fire & Flames	Firearms	Suffocation	Drowning	All Other Accidents			
ICDA		800-949	*	810-823	830-838	800-07 825-27 840-45	850-877	880-887	928	890-899	922	911, 912	910	**	950-959	960-969	970-999
State Total	2696	1934	418	958	38	28	112	289	24	94	23	62	110	196	590	137	35
Adams	14	11	1	5	1		1				1		2	1	3		
Ashland	15	11	2	3				5					2	1	3	1	
Barron	25	19	5	4	1			5		3			2	4	4	2	
Bayfield	15	12	1	8	1			1		1				1	3		
Brown	81	68	19	40			4	11		6		3	1	3	11	1	1
Buffalo	8	7		4				1					1	1	1		
Burnett	12	11	2	6			2	1					1	1	1		
Calumet	13	10	1	8				2							3		
Chippewa	26	23	3	15						2			1	5	3		
Clark	18	17	3	10					3	1	1			2	1		
Columbia	29	20	5	6	2		1	4	1		2		4		8	1	
Crawford	12	10	2	5		1			1				1	1	1	1	
Dane	208	149	35	80	1		9	21	3	11		4	5	15	48	9	2
Dodge	35	32	1	20		2	1	2	1			1	2	3	3		
Door	19	14	4	4	2		1	2					2	3	4	1	
Douglas	18	15	2	8	1		1	1		1	1			2	3		
Dunn	14	10	2	5					1	2			1	1	2	1	1
Eau Claire	64	47	13	18			7	15	1				3	3	17		
Florence	7	4				4									3		
Fond du Lac	43	28	6	17	1		4	2					3	1	12	2	1
Forest	8	4		2							1		1		4		
Grant	26	22	4	12			1	3	1	2				3	3	1	
Green	24	18	4	10			1	4						3	5	1	
Green Lake	7	7	1	3	1								3				
Iowa	18	11	2	5				1	2			1	2		7		
Iron	2														1	1	
Jackson	13	12	1	5		1		2		1	1		1	1	1		
Jefferson	23	19	5	9	1		1	1	1	2		1	1	2	3	1	
Juneau	22	17	3	10	1	1			1	3				1	5		
Kenosha	75	55	9	37			1	5		2	1	2	2	5	11	7	2
Kewaunee	10	8		2				3						3	2		
La Crosse	65	51	9	24	1		3	9				1	4	9	13	1	
Lafayette	14	11	3	6				1		3				1	3		
Langlade	6	4	1	2						1			1		1	1	
Lincoln	16	12	1	7				1		1		1		2	4		
Manitowoc	32	25	3	11	2		3	2					3	4	6	1	
Marathon	48	39	9	20	1	3	2	8		1	2		1	1	8	1	
Marinette	28	22	6	7	1			6		1			5	2	5	1	
Marquette	6	3		3											1	2	
Menominee	10	6	3	1				1			1		1	2	1	3	

Table 35 (Cont.)

DEATHS FROM ACCIDENTS, POISONINGS AND VIOLENCE, BY CAUSE, BY COUNTY
Wisconsin, 1977

P. 2 of 2 pages

(Occurrence Data)

County	Total	Total Accidents	Home	Motor Vehicle	Water Transport	Other Transport	Poison	Falls	Machinery	Fire & Flames	Firearms	Suffocation	Drowning	All Other Accidents	Suicide	Homicide	Other Violent Deaths
ICDA		800- 949	*	810- 823	830- 838	800-07 825-27 840-45	850- 877	880- 887	928	890- 899	922	911, 912	910	**	950- 959	960- 969	970- 999
Milwaukee	525	288	110	92	1	3	35	75	1	28	2	19	5	27	155	61	21
Monroe	20	15	2	8				1	1				1	4	4		1
Oconto	20	15	1	10				1	2		1		1		4	1	
Oneida	26	19	2	11	3			1						4	4	3	
Outagamie	68	50	13	29			4	8		1	1		3	4	16	2	
Ozaukee	19	7		6			1								10	1	1
Pepin	7	7	1	5				1						1			
Pierce	13	8		5				1					1	1	4	1	
Polk	34	27	3	15	3		4		1				3	1	7		
Portage	29	22	9	10			1			6		2	1	2	4	3	
Price	9	5		4										1	3		1
Racine	112	74	17	37	1		2	9	1	4		5	7	8	26	9	3
Richland	9	9	2	6			1						1	1			
Rock	57	42	12	15		4	2	6		2	1	2	5	5	14	1	
Rusk	10	7	2	2	1		1			2			1		3		
St. Croix	28	23	4	10		3		4	1	1		2		2	4	1	
Sauk	23	18	4	6			1	3		1		1	2	4	4	1	
Sawyer	10	9		3	2					1	1			2	1		
Shawano	25	17	1	11				1					1	4	5	3	
Sheboygan	44	38	8	14			3	9		1		3	1	7	5	1	
Taylor	20	16	1	11		1		1	1		1		1		3	1	
Trempealeau	22	19	3	7			1	4	2	1				3	2	1	
Vernon	17	11	4	2	1			5			1		1		6		
Vilas	14	6		3		1						1		1	7	1	
Walworth	41	26	3	12	1		2	2				1	2	6	14	1	
Washburn	13	10	3	6			1	2					1		3		
Washington	48	35	9	23			2	3			1		2	4	12		1
Waukesha	125	97	17	54	3	1	5	14	1		1	3	7	8	25	3	
Waupaca	18	16	1	9	2			2				1	2		1	1	
Waushara	16	14		12	2										2		
Winnebago	84	64	10	35		3	2	9		1	1	3	4	6	19	1	
Wood	61	56	5	43			1	4		1		3	1	3	5		

* "Home Accidents" indicates place of accident. These events are also tabulated under the separate causes.

** ICDA numbers 900-909, 913-918, 923-925, 927-929, 930-936, 940-949.

Table 36
DEATHS FROM CANCER BY SITE, AGE AND SEX
Wisconsin, 1977

P. 1 of 2 pages

(Resident Data)

Cause of Death		ICDA	Total		Rate*		Age at Death											
			Number				Under 1		1-4		5-14		15-19		20-24		25-34	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total.....			4384	3740	192.4	158.1	2	1	11	8	28	7	19	8	29	8	41	54
Lip.....		140	5															
Tongue.....		141	21	10	0.9													
Salivary gland.....		142	7	6														
Gum.....		143	1	2														
Floor of mouth.....		144	4	3														
Other & unspecified parts of mouth....		145	20	12	0.9					1								
Oropharynx.....		146	19	9														
Nasopharynx.....		147	7	4														
Hypopharynx.....		148	17	1														
Pharynx, unspecified.....		149	16	11														
Esophagus.....		150	97	37	4.3	1.6												
Stomach.....		151	189	121	8.3	5.1									1	1		
Small intestine, including duodenum...		152	8	6														
Large intestine, except rectum.....		153	473	468	20.8	19.8								1			4	1
Rectum and rectosigmoid junction.....		154	131	95	5.7	4.0												
Liver & intrahepatic bile ducts, specified as primary.....		155	22	16	1.0				1								1	
Gallbladder and bile ducts.....		156	41	85	1.8	3.6												
Pancreas.....		157	243	193	10.7	8.2												
Peritoneum & retroperitoneal tissue...		158	8	7														
Unspecified digestive organs.....		159	11	3														
Nose, nasal cavities, middle ear and accessory sinuses.....		160	11	4														
Larynx.....		161	54	8	2.4													
Trachea, bronchus, and lung.....		162	1227	344	53.8	14.5					1				2		1	
Other & unspecified respiratory organs		163	13	6														
Bone.....		170	28	16	1.2					1	1		6	2	5		2	1
Connective & other soft tissue.....		171	17	20		0.8					1				1	1	1	2
Melanoma of skin.....		172	28	30	1.2	1.3			1						1	1	2	2
Other of skin.....		173	16	9														
Breast.....		174	7	811		34.3												
Cervix uteri.....		180		78		3.3												16
Chorionepithelioma.....		181														1		4
Other of uterus.....		182		118		5.0												
Ovary, fallopian tube & broad ligament		183		250		10.6												
Other & unspec. female genital organs.		184		20		0.8							1			1		1
Prostate.....		185	466		20.4													
Testis.....		186	17												2		7	
Other & unspec. male genital organs...		187	4															
Bladder.....		188	166	70	7.3	3.0												
Kidney, other & unspec. urinary organs		189	124	74	5.4	3.1							1					
Eye.....		190	3	1														
Brain.....		191	103	67	4.5	2.8	1		3	1	6	2	1	1	5		6	6
Other parts of nervous system.....		192	31	19	1.4				4	1			2		1		4	
Thyroid gland.....		193	7	15													1	
Endocrine glands.....		194	3	13										1		1		1
Ill-defined sites.....		195	25	40	1.1	1.7					2							
Secondary & unspecified of lymph nodes		196	7															
Secondary of respir. & digestive sys..		197	65	59	2.9	2.5												
Other secondary.....		198	20	24	0.9	1.0												
Without specification or site.....		199	144	175	6.3	7.4	1	1			1					1	2	1
Lymphosarcoma & reticulum-cell sarcoma.....		200	66	53	2.9	2.2					2				1	1		1
Hodgkin's disease.....		201	27	21	1.2	0.9					1				3		3	6
Other neoplasms of lymphoid tissue....		202	69	72	3.0	3.0					1		1	1	2	1		1
Multiple myeloma.....		203	67	61	2.9	2.6												1
Lymphatic leukemia.....		204	72	33	3.2	1.4			2	1	6	1	3	1	1			1
Myeloid leukemia.....		205	65	70	2.9	3.0					4	1	1		1	1	4	4
Monocytic leukemia.....		206	10	7									1					
Other & unspecified leukemia.....		207	55	41	2.4	1.7					1	4		3		2	1	3
Polycythemia vera.....		208	2	9									1					
Myelofibrosis.....		209	25	13	1.1													

*Rates per 100,000 population of each sex group.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 36 (Cont.)

DEATHS FROM CANCER BY SITE, AGE AND SEX
Wisconsin, 1977

P. 2 of 2 pages

(Resident Data)

Cause of Death	ICDA	Age at Death											
		35-44		45-54		55-64		65-74		75-84		85+	
		M	F	M	F	M	F	M	F	M	F	M	F
Total.....		84	124	356	405	926	806	1394	967	1112	932	382	420
Lip.....	140					1				3		1	
Tongue.....	141			3	1	8	2	9	3	1	3		1
Salivary gland.....	142	1	1	1				2	2	3	2		1
Gum.....	143					1			1		1		
Floor of mouth.....	144					1	2	2		1			1
Other & unspecified parts of mouth....	145		1	1	1	5	2	8	3	4	3	1	2
Oropharynx.....	146			4		6	3	4	4	4	1	1	1
Nasopharynx.....	147			2	2	2	1	1	1	2			
Hypopharynx.....	148			2		4	1	10		1			
Pharynx, unspecified.....	149			1		6	8	4	1	4	2	1	
Esophagus.....	150	1		15	3	23	7	32	7	17	12	8	8
Stomach.....	151	4	1	12	10	23	12	63	29	62	39	23	27
Small intestine, including duodenum...	152					2		3	1	2	5	1	
Large intestine, except rectum.....	153	5	10	35	35	94	91	151	116	140	137	44	77
Rectum and rectosigmoid junction.....	154	4	1	7	12	33	17	28	19	40	29	19	17
Liver & intrahepatic bile ducts, specified as primary.....	155	2		3	4	3	4	5	4	7	2		2
Gallbladder and bile ducts.....	156	2	1	2	2	9	11	12	30	13	31	3	10
Pancreas.....	157	6	2	19	13	61	37	95	57	51	63	11	21
Peritoneum & retroperitoneal tissue...	158		1		1		1	4	2	3	2	1	
Unspecified digestive organs.....	159				1	1		2		5	2	3	
Nose, nasal cavities, middle ear and accessory sinuses.....	160					5	1	3	1	2		1	2
Larynx.....	161			3	1	21	2	15	4	10	1	5	
Trachea, bronchus, and lung.....	162	18	12	135	65	325	119	465	88	243	49	37	11
Other & unspecified respiratory organs	163			3		6	2	1	2	2	1	1	1
Bone.....	170	1	2		3		3	7	2	4	2	2	
Connective & other soft tissue.....	171	1	1	1	2	3	4	4	4	2	5	2	1
Melanoma of skin.....	172	4	5	2	5	7	3	5	7	4	5	2	2
Other of skin.....	173			2	1	2		7	3	3	2	2	3
Breast.....	174		44	3	115	2	199		206	1	157	1	74
Cervix uteri.....	180		9		10		15		22		13		4
Chorionepithelioma.....	181												
Other of uterus.....	182				4		29		40		34		11
Ovary, fallopian tube & broad ligament	183		9		40		81		60		44		13
Other & unspec. female genital organs.	184				1		3		4		8		4
Prostate.....	185	2		4		46		111		206		97	
Testis.....	186	4		1		1		2					
Other & unspec. male genital organs...	187					3				1			
Bladder.....	188	1		6	3	20	3	49	11	55	32	35	21
Kidney, other & unspec. urinary organs	189	2	1	14	5	41	12	30	18	27	25	10	12
Eye.....	190			1					1			2	
Brain.....	191	10	3	5	16	20	16	33	14	12	7	1	1
Other parts of nervous system.....	192	2	1	2	3	8	8	5	4	3	2		
Thyroid gland.....	193	1				1	3	2	6	2	2		4
Endocrine glands.....	194		2	1	1	1	3		2	1	2		
Ill-defined sites.....	195			3	2	8	4	6	13	4	14	4	5
Secondary & unspecified of lymph nodes	196			1				5		1			
Secondary of respir. & digestive sys..	197	2	3	2	2	9	8	22	19	18	17	12	10
Other secondary.....	198		1	2		1	5	10	7	7	7		4
Without specification of site.....	199	1	3	16	13	28	33	50	50	35	45	10	28
Lymphosarcoma & reticulum-cell sarcoma.....	200	1		7	3	16	5	17	15	16	20	6	8
Hodgkin's disease.....	201	1	2	7	4	4	3	6	3	2	3		
Other neoplasms of lymphoid tissue....	202	2		7	7	13	12	23	21	14	23	6	6
Multiple myeloma.....	203	2		8	2	16	11	24	23	13	22	4	2
Lymphatic leukemia.....	204	1		3	1	11	2	18	5	19	12	8	9
Myeloid leukemia.....	205	1	6	6	3	10	7	13	17	19	22	6	9
Monocytic leukemia.....	206		1			2	1	1		4	3	2	2
Other & unspecified leukemia.....	207		1	3	5	9	3	18	11	8	14	7	3
Polycythemia vera.....	208				1	1	3		3	1	1		
Myelofibrosis.....	209	2		1	2	3	4	7	1	10	4	2	2

*Rates per 100,000 population of each sex group.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 37

DEATHS FROM CARDIOVASCULAR RENAL DISEASE, BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 1 of 2 pages

(Resident Data)

Cause of Death	ICDA	Total				Age at Death											
		Number		Rate*		Under 1		1-4		5-14		15-19		20-24		25-34	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Total.....		11495	10119	504.4	427.7	12	9	1	3	8	5	2	4	9	7	45	31
Rheumatic fever w/heart involvement...	391	1	4														
Chorea.....	392	1															
Diseases of pericardium.....	393	1															
Diseases of mitral valve.....	394	33	43	1.4	1.8												
Diseases of aortic valve.....	395	59	40	2.6	1.7						1					1	
Diseases of mitral and aortic valves..	396	14	9														
Other endocardial structures.....	397	7	9							1							
Other heart dis. specified rheumatic..	398	32	37	1.4	1.6											2	
Malignant hypertension.....	400	6	9														
Essential benign hypertension.....	401	8	10														
Hypertensive heart disease.....	402	77	78	3.4	3.3												1
Hypertensive renal disease.....	403	56	45	2.5	1.9												
Hypertensive heart & renal disease....	404	33	37	1.4	1.6												
Acute myocardial infarction.....	410	3955	2377	173.5	100.5					1				1		10	6
Acute ischemic heart disease.....	411	50	21	2.2	0.9												
Chronic ischemic heart disease.....	412	3592	3689	157.6	155.9			2						1		11	
Angina pectoris.....	413	3	5				1										
Acute pericarditis, nonrheumatic.....	420																
Acute and subacute endocarditis.....	421	7	2							1							
Acute myocarditis.....	422	4	1													1	1
Chronic of pericardium, nonrheumatic..	423	10	2			1											
Chronic of endocardium.....	424	15	23		1.0												1
Cardiomyopathy.....	425	65	30	2.9	1.3		1						1	1		2	1
Pulmonary heart disease.....	426	13	16			1				1					1	1	1
Symptomatic heart disease.....	427	448	359	19.7	15.2	10	1	1	2	1	3		1	2	1	2	5
Other myocardial insufficiency.....	428	31	29	1.4	1.2		3									1	
Ill-defined heart disease.....	429	295	123	12.9	5.2											1	
Subarachnoid hemorrhage.....	430	53	79	2.3	3.3					1		1	1	1	1	7	4
Cerebral hemorrhage.....	431	231	279	10.1	11.8									1	2	2	4
Occlusion of precerebral arteries.....	432	40	13	1.8													
Cerebral thrombosis.....	433	416	442	18.3	18.7												
Cerebral embolism.....	434	9	11														
Transient cerebral ischemia.....	435	1	1														
Acute but ill-defined cerebrovascular.	436	664	813	29.1	34.4		1										2
Generalized ischemic cerebrovascular..	437	335	567	14.7	24.0												
Other & ill-defined cerebrovascular...	438	45	51	2.0	2.2				1	1							
Arteriosclerosis.....	440	321	402	14.1	17.0												
Aortic aneurysm (nonsyphilitic).....	441	221	77	9.7	3.3												
Other aneurysm.....	442	19	14														
Other peripheral vascular disease....	443	11	10														
Arterial embolism & thrombosis.....	444	54	88	2.4	3.7							1					
Gangrene.....	445	22	46	1.0	1.9												
Polyarteritis nodosa & allied condit..	446	6	5														
Other of arteries and arterioles.....	447	12	11											1			
Diseases of capillaries.....	448																
Pulmonary embolism and infarction....	450	113	128	5.0	5.4						1					2	3
Phlebitis and thrombophlebitis.....	451	13	20		0.8												
Portal vein thrombosis.....	452		1														
Other venous embolism & thrombosis....	453	7	9											1	1		1
Varicose veins of lower extremities...	454	1	4														
Hemorrhoids.....	455		1														
Varicose veins of other sites.....	456	3															
Noninfect. dis. of lymphatic channels.	457																
Other diseases of circulatory system..	458	15	8							1							1
Chronic nephritis.....	582	62	35	2.7	1.5									1		1	1
Nephritis, unqualified.....	583	4	5														
Renal sclerososis, unqualified.....	584	1	1														

*Rates per 100,000 population of each sex group.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 37 (Cont.)

DEATHS FROM CARDIOVASCULAR RENAL DISEASE, BY CAUSE, AGE AND SEX
Wisconsin, 1977

P. 2 of 2 pages

(Resident Data)

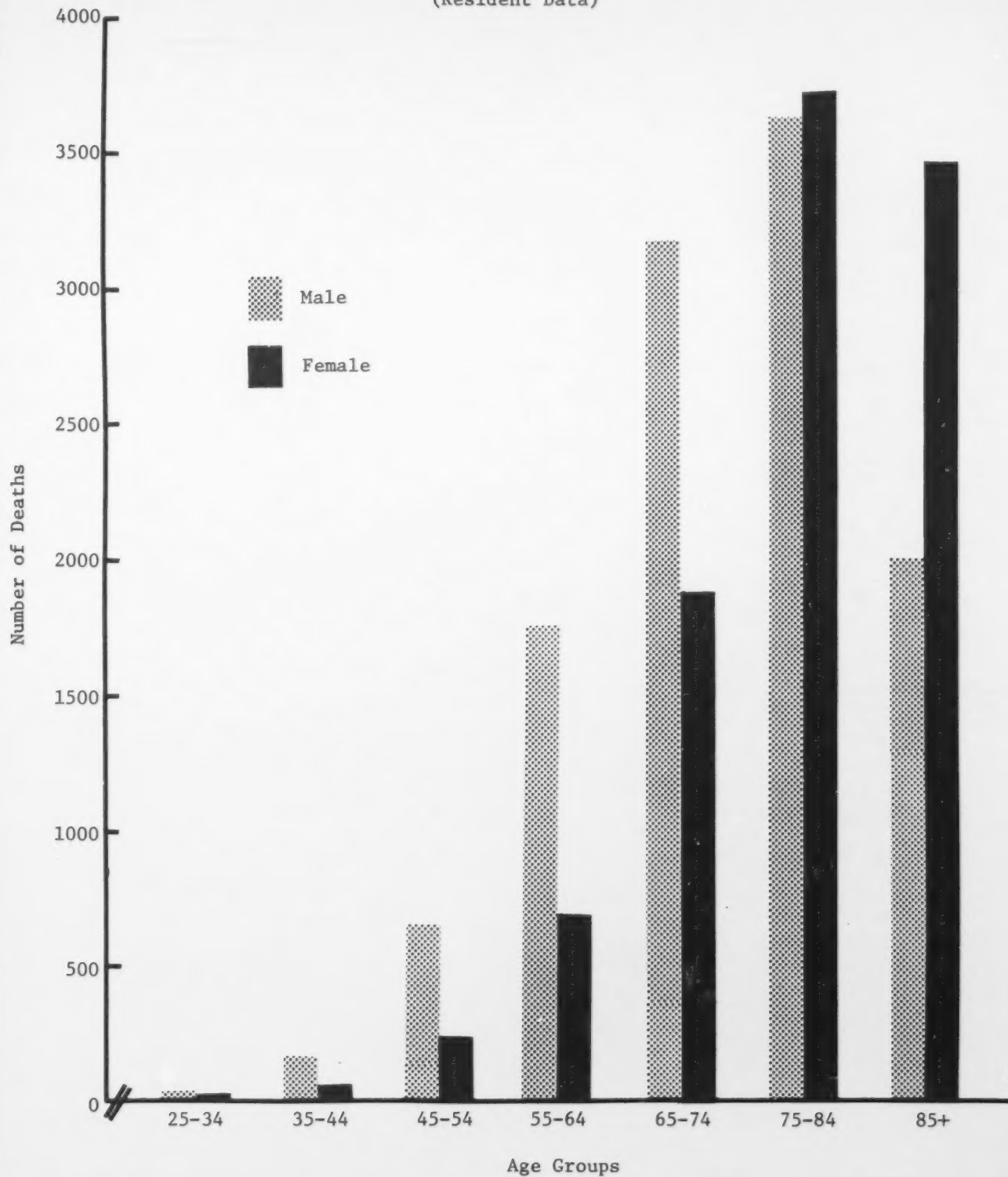
Cause of Death	ICDA	Age at Death											
		35-44		45-54		55-64		65-74		75-84		85+	
		M	F	M	F	M	F	M	F	M	F	M	F
Total.....		167	61	655	245	1769	690	3183	1881	3632	3719	2012	3464
Rheumatic fever w/heart involvement...	391	1			1				1		2		
Chorea.....	392											1	
Diseases of pericardium.....	393									1			
Diseases of mitral valve.....	394	3	2	2	4	8	8	12	13	7	13	1	3
Diseases of aortic valve.....	395	4		4	2	9	6	18	10	18	12	5	9
Diseases of mitral and aortic valves..	396				2	5	4	6	2	3			1
Other endocardial structures.....	397		1			1		4	5	1	3		
Other heart dis. specified rheumatic..	398	1		2	2	6	5	9	12	9	16	3	2
Malignant hypertension.....	400			2	2	2	1		3	2	2		1
Essential benign hypertension.....	401			1		2	2	2	2	1	2	2	4
Hypertensive heart disease.....	402	2	1	4	2	17	7	27	26	20	28	7	13
Hypertensive renal disease.....	403				1		2	12	2	25	20	19	20
Hypertensive heart & renal disease....	404	1			2	2	2	4	5	13	7	13	21
Acute myocardial infarction.....	410	62	17	320	60	803	244	1310	649	1081	893	367	508
Acute ischemic heart disease.....	411	4		7	2	14	3	11	1	11	9	3	6
Chronic ischemic heart disease.....	412	36	7	157	48	447	165	865	524	1226	1400	849	1543
Angina pectoris.....	413					2		1	2				1
Acute pericarditis, nonrheumatic.....	420												
Acute and subacute endocarditis.....	421					3	2	3					
Acute myocarditis.....	422					2				1			
Chronic of pericardium, nonrheumatic..	423			1		2	1	5	1			1	
Chronic of endocardium.....	424				1	2	1	3	2	7	9	2	10
Cardiomyopathy.....	425	6	1	18	4	16	10	11	8	8	2	3	1
Pulmonary heart disease.....	426				3	2	2	3	3	3	6	2	
Symptomatic heart disease.....	427	12	2	35	15	64	37	135	72	116	120	70	100
Other myocardial insufficiency.....	428			1	2	3	4	3	3	12	9	11	8
Ill-defined heart disease.....	429	5	1	23	9	80	24	96	29	61	46	29	14
Subarachnoid hemorrhage.....	430	11	12	7	17	14	16	6	18	4	8	1	2
Cerebral hemorrhage.....	431	6	5	18	19	47	28	61	61	65	100	31	60
Occlusion of precerebral arteries.....	432	2		5	1	5	3	14	6	9	2	5	1
Cerebral thrombosis.....	433	1	1	5	5	29	17	102	72	186	172	93	175
Cerebral embolism.....	434		1			2		2	2	3	5	2	3
Transient cerebral ischemia.....	435					1			1				
Acute but ill-defined cerebrovascular..	436	2		10	10	54	35	154	133	283	339	161	293
Generalized ischemic cerebrovascular..	437			2		12	7	69	61	146	218	106	281
Other & ill-defined cerebrovascular...	438		1	1		6	1	10	12	13	20	14	16
Arteriosclerosis.....	440			5	3	17	6	49	32	106	117	144	244
Aortic aneurysm (nonsyphilitic).....	441	2		7	2	34	8	81	16	83	30	14	21
Other aneurysm.....	442		1	1	3	2	1	6	6	9	3	1	
Other peripheral vascular disease.....	443			1	1	1	1	4		3	3	2	5
Arterial embolism & thrombosis.....	444		2	4	3	6	4	10	20	22	29	11	30
Gangrene.....	445					2	2	4	4	6	13	10	27
Polyarteritis nodosa & allied condit..	446			2	1			4	3				1
Other of arteries and arterioles.....	447				2	1	2	7	2	2	4	2	
Diseases of capillaries.....	448												
Pulmonary embolism and infarction....	450	2	3	7	8	23	15	37	33	29	40	13	25
Phlebitis and thrombophlebitis.....	451		1	1	1	4	4	2	6	4	3	2	5
Portal vein thrombosis.....	452						1						
Other venous embolism & thrombosis...	453		1			1	2	1	2	4			2
Varicose veins of lower extremities...	454						2						1
Hemorrhoids.....	455										1		1
Varicose veins of other sites.....	456											1	
Noninfect. dis. of lymphatic channels.	457			1		1							
Other diseases of circulatory system..	458					5		3	4	3	1	3	2
Chronic nephritis.....	582	4	1	1	6	10	4	17	9	21	10	7	4
Nephritis, unqualified.....	583				1		1		3	4			
Renal sclerosis, unqualified.....	584									1			1

*Rates per 100,000 population of each sex group.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Figure 8
DEATHS FROM CARDIOVASCULAR RENAL DISEASE
BY SEX AND AGE GROUPS
Wisconsin, 1977
(Resident Data)



Morbidity

MORBIDITY

Tables 41 and 43 contain reportable disease data which are known to be incomplete. The tables include only those cases of disease that are reported by physicians, health officers, public health and school nurses, laboratories and hospitals.

Because of the great attention given to certain communicable diseases such as tuberculosis and poliomyelitis, reporting for these diseases is believed to be more complete. Polio peaked in 1955 in Wisconsin with 2,544 cases reported. Five years later, this number was reduced almost 100 fold with only 27 cases reported. From 1965 thru 1977 only one case of polio was reported (1972). Tuberculosis cases have also shown a dramatic decline, with the 1970 rate for active cases being less than one-seventh the rate in 1950.

Not all communicable diseases have declined, however. Some communicable diseases have shown cyclical highs and lows; others, notably venereal diseases, increases substantially in the last decade, but did not fluctuate to any great degree between 1976 and 1977.

Chronic disease data are generally available only from special surveys such as the National Health Surveys carried out by the National Center for Health Statistics. States do no survey research of comparable extent to obtain morbidity data on a continuous basis. Hospital morbidity data are available for Wisconsin from a 1977 study of hospital discharges completed by the Bureau of Health Statistics.

Summary of Tuberculosis Reporting

Effective January 1, 1975 the new Diagnostic Standards and Classification of Tuberculosis, 1974 edition, came into use. At the same time there was a change in reporting requirements of tuberculosis cases. The new classification eliminated the terms tuberculosis "active," "quiescent" and "inactive." Instead, the term "tuberculosis: infected, with disease" is used followed by an indication of location of disease, bacteriologic status by smear and culture and chemotherapy status, specifying the drugs used with dates. Reportable cases became on January 1, 1975, all cases of tuberculosis in which either a positive bacteriology report was received or cases which were placed on two or more antituberculosis drugs. In contrast, the old reporting system required only cases judged to have "active" disease in accordance with the 1969 edition of Diagnostic Standards and Classification of Tuberculosis, and which had never been previously reported to be counted in establishing a case rate. Great caution should be exercised when comparing data collected under the new standards and classification with data derived from the older system.

Table 41

CASES AND DEATHS* FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1977

P. 1 of 4 pages

(Resident Data)

County	Brucellosis (undulant fever)		Chickenpox		Dysentery (bacillary)		German Measles		Jaundice (Infectious Hepatitis)		Measles		Meningococcal Meningitis	
	023		052		004.9		056		070		055		036	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D
State Total....	2	-	17294	4	248	-	604	1	369	6	2424	1	22	11
Adams.....			11								4			
Ashland.....			22				28							
Barron.....			25						2					
Bayfield.....			13						3					
Brown.....			512		6		22		16		44			
Buffalo.....			42						1		1			
Burnett.....			1								7		1	1
Calumet.....			5		1				1		4			
Chippewa.....	1		83		1				6		54			
Clark.....			6				1		2		41			
Columbia.....			112				1				10			
Crawford.....			8		1				8		6		1	
Dane.....			208		20		5		6		4			
Dodge.....			90		1				1		1			
Door.....			20				2		2		5		1	1
Douglas.....			38		1		1			1	8		2	
Dunn.....									1		27			
Eau Claire.....			135		1		2		7		45			
Florence.....														
Fond du Lac....			525	1	6		5		1		69			
Forest.....			104				2							
Grant.....			40		1		2				10			
Green.....			103		1		1				6			
Green Lake.....			47				3				45			
Iowa.....			5		2		1		8		2		1	
Iron.....			6											
Jackson.....			6						7		1			
Jefferson.....			181				3		6		7			
Juneau.....			42								1			
Kenosha.....			505		10		14	1	17		111		1	
Kewaunee.....			44								29			
La Crosse.....			161				3		5				1	
Lafayette.....			8				1				3			
Langlade.....			58				6				12			
Lincoln.....			12						1				1	
Manitowoc.....			237		2						55			
Marathon.....			552				2		3		96		3	2
Marinette.....			118		1		1		4		46			
Marquette.....			5						1		1			
Menominee.....			40		1				1		1			

*The abbreviation "C" stands for cases and "D" for deaths.

Table 41 (Cont.)

CASES AND DEATHS* FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1977

P. 2 of 4 pages

(Resident Data)

County	Brucellosis (undulant fever)		Chickenpox		Dysentery (bacillary)		German Measles		Jaundice (Infectious Hepatitis)		Measles		Meningococcal Meningitis	
	023		052		004.9		056		070		055		036	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D
Milwaukee.....	1		6680		124		318		119	1	225		1	1
Monroe.....			8										1	
Oconto.....			28						1		22			
Oneida.....			74				1				4			
Outagamie.....			1122		1		2			1	303		1	1
Ozaukee.....			368		1		6		3		7		1	
Pepin.....														
Pierce.....			25								21		1	1
Polk.....			98		2				2		11			
Portage.....			100								21			
Price.....			48				1							
Racine.....			776		42		94		11		214		2	1
Richland.....			34								53			
Rock.....			919		5		22		35	1	152		1	1
Rusk.....							1							
St. Croix.....			111		1				2					1
Sauk.....			2	1					1		9			
Sawyer.....			2											
Shawano.....			53				2		5		10			
Sheboygan.....			354		1		8		4		177			
Taylor.....			18		1									
Trempealeau....			8						1		8			
Vernon.....			8						1		6			
Vilas.....			44								1			
Walworth.....			140		1				8		15			1
Washburn.....			4		1									
Washington.....			66		1		1		1		12		1	
Waukesha.....			1131	1	6		29		45	1	61			
Waupaca.....			81		1		2		1		15			
Waushara.....			120		1		1				33			
Winnebago.....			532		1		9		1	1	287	1	1	
Wood.....			110	1	2		1		18		1			

Table 41 (Cont.)

CASES AND DEATHS FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1977

P. 3 of 4 pages

(Resident Data)

County	Aseptic Meningitis (Viral)		Mumps		Rabies** (in animals)		Rheumatic Fever (acute)		Salmonella Infections		Strepto- coccal Disease Respiratory		Tubercu- losis		Whooping Cough	
	045		072		071		390		003.9		034		010-019		033	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
State Total....	52	1	1893	1	90	-	44	-	745	3	13457	-	181	34	29	-
Adams.....							1		1		6					
Ashland.....			2						2		195					
Barron.....			2		9				2		143		6			
Bayfield.....									1		2					
Brown.....	2		547		1		1		34		166		2			
Buffalo.....					1				2		80					
Burnett.....			1						1				1			
Calumet.....			10		3				15		20					
Chippewa.....					2				7		239		2			
Clark.....			1		5				9		91		1			
Columbia.....	1		46						11		239		1			
Crawford.....					1				1		7		1			
Dane.....	3		2		3				52		1964		8	2	1	
Dodge.....			13		4				8		352					
Door.....									5		33		1			
Douglas.....			3						4		56		1			
Dunn.....					1				1		35		2			
Eau Claire.....			2		1				7		1547		1			
Florence.....			1								23					
Fond du Lac....			15		6		2		5		315		1			
Forest.....									1		115					
Grant.....	1								9		323					
Green.....			1				1		1		990		1			
Green Lake.....			3						2		17			1		
Iowa.....			2						1		125		1		1	
Iron.....													1			
Jackson.....			2						1		28		1		1	
Jefferson.....	1		4		2				5		180					
Juneau.....									2		42		2			
Kenosha.....			18		1				32		28		5	1	3	
Kewaunee.....			25				4		8		10					
La Crosse.....	2		3						20		158		4		5	
Lafayette.....			3		1				2		46		1			
Langlade.....			3						6		407		1	1		
Lincoln.....					3				6		173		1		1	
Manitowoc.....			23				2		18		24			2		
Marathon.....			17		7		21		7		257		1		1	
Marinette.....			26		1				1		20		1	1		
Marquette.....			8				1		4		16		1			
Menominee.....			2								8					

*1975 and the subsequent years figures cannot be compared to any previous years because of a difference in diagnostic classification reporting requested by the Center for Disease Control (CDC), effective January, 1975, References, Tuberculosis in the U.S., U.S. Dept. H.E.W., Center for Disease Control, Atlanta, Ga., August 1976, H.E.W. publ. No. (CDC) 76-8322, P. 31.

**Rabies cases are those reported in animals; rabies deaths, if any, are human deaths.

Table 41 (Cont.)

CASES AND DEATHS FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1977

P. 4 of 4 pages

(Resident Data)

County	Aseptic Meningitis (Viral)		Mumps		Rabies (in animals)		Rheumatic Fever (acute)		Salmonella Infections		Strepto- coccal Disease Respiratory		Tubercu- losis		Whooping Cough	
	045		072		071		390		003.9		034		010-019		033	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
Milwaukee.....	28		659	1			1		191	2	1263		81	14	2	
Monroe.....			1		1				7		40		1			
Oconto.....			20		1		1		2	1	46			2		
Oneida.....	1		4						3		28		1			
Outagamie.....	1		60						29		97		2			
Ozaukee.....			16		3				8		60		1	1		
Pepin.....									5		1					
Pierce.....					5		1		3		16					
Polk.....					1				1		246		1			
Portage.....			14						3		41					
Price.....			2						2		15		1			
Racine.....	3		32				1		24		65		10	2	1	
Richland.....	1															
Rock.....			28						23		154		4	2	1	
Rusk.....					6		1		3		85					
St. Croix.....		1	1		3				2		105					
Sauk.....	1		1						2		98		1			
Sawyer.....											10		2			
Shawano.....			5				1		4		73		3			
Sheboygan.....			12		5				14		117		3		5	
Taylor.....	1				4						143		1			
Trempealeau....					1				12		120		1	1		
Vernon.....									2		2		1			
Vilas.....			17								1					
Walworth.....			1				3		7		335		1			
Washburn.....					2						101					
Washington.....			12		1				8		353		3			
Waukesha.....	1		50				1		58		337		7	2	6	
Waupaca.....			52						4		203		1			
Waushara.....			89				1		2				1			
Winnebago.....	2		25		1				19		100		4	1		
Wood.....	3		7		4				13		722		1	1	1	

Table 43

CASES AND DEATHS FROM REPORTABLE DISEASE BY MONTH
Wisconsin, 1977

(Resident Data)

Reportable Diseases	ICDA	Cases		Deaths		Jan.		Feb.		Mar.		Apr.		May	
		No.	Rate*	No.	Rate*	C	D	C	D	C	D	C	D	C	D
Brucellosis (undulant fever)	023	2													
Chickenpox	052	17294	371.8	4		2235		2552		3304		2385	1	2101	2
Dysentery (bacillary)	004.9	248	5.3			1		5		11		6		12	
Encephalitis (Arthropod borne Viral)	064	-													
German Measles	056	604	13.0	1		42		46		109		56		76	
Jaundice (Infectious hepatitis)	070	369	7.9	6		15	1	13		17		24		19	2
Measles	055	2424	52.1	1		351		307		506		346	1	462	
Meningitis, Meningococcal	036	22	0.5	11		3	3		3	3		3	1	3	
Meningitis, Aseptic	045	52	1.1	1						4					
Mumps	072	1893	40.7	1		319		303	1	331		223		145	
Poliomyelitis	040-043	-													
Rabies in animals**	071	90	1.9			5		1		5		8		5	
Rheumatic fever (acute)	390	44	0.9			5		9		1		12		3	
Salmonella Infections	003.9	745	16.0	3		17		29		43		38	1	51	
Streptococcal disease (respiratory)	034	13457	289.3			1904		1957		2134		1193		938	
Tuberculosis**	010-019	181	3.9	34	0.7	22	1	11	5	9	6	15	5	15	4
Whooping Cough	033	29	0.6											1	

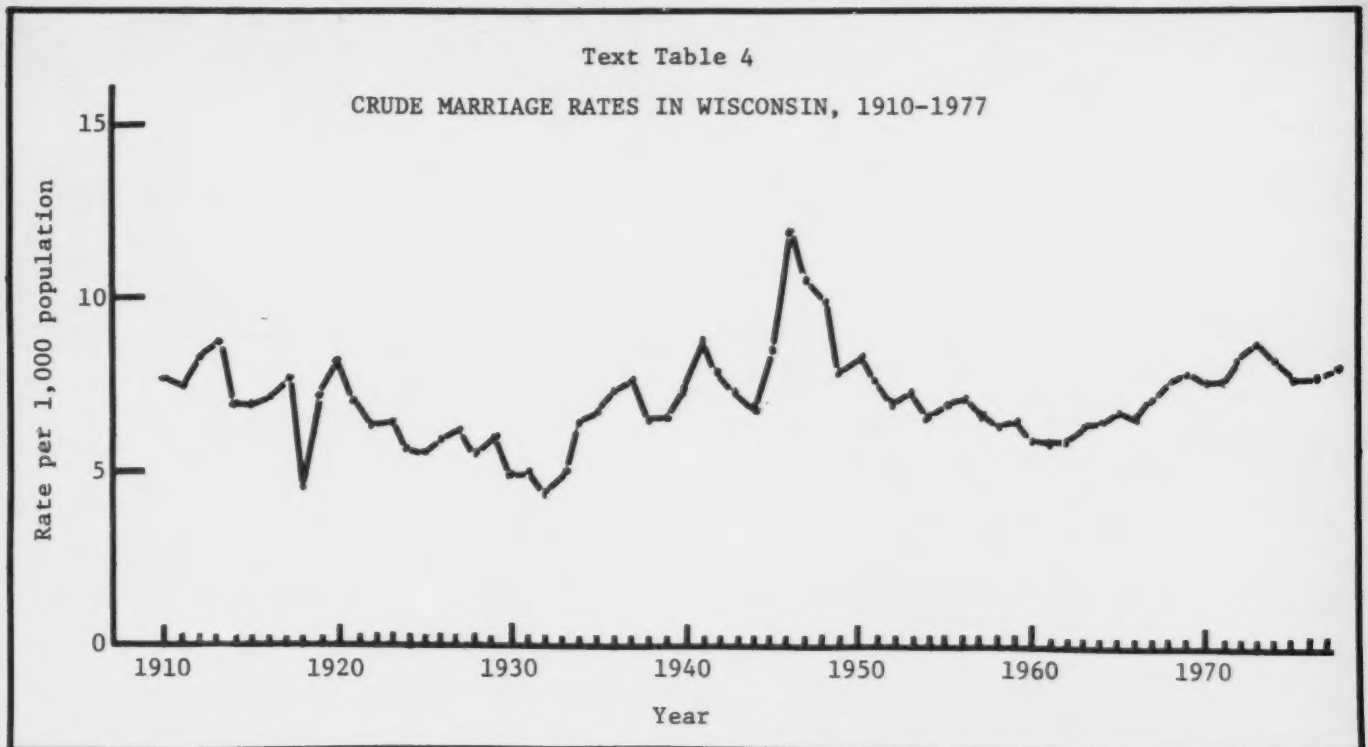
Reportable Diseases	ICDA	June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
		C	D	C	D	C	D	C	D	C	D	C	D	C	D
Brucellosis (undulant fever)	023	1												1	
Chickenpox	052	1273	1	386		213		165		428		1242		1010	
Dysentery (bacillary)	004.9	9		8		47		39		35		34		41	
Encephalitis (Arthropod borne Viral)	064														
German Measles	056	32	1	16		11		12		16		136		52	
Jaundice (Infectious hepatitis)	070	19		24		35		40	1	49	1	36	1	78	
Measles	055	287		64		20		14		25		24		18	
Meningitis, Meningococcal	036	1					1	2			1	3		4	2
Meningitis, Aseptic	045			2		8		14		7		13		4	1
Mumps	072	167		54		73		47		72		100		59	
Poliomyelitis	040-043														
Rabies in animals**	071	5		8		10		6		14		13		10	
Rheumatic fever (acute)	390	1		4		3				2		4			
Salmonella Infections	003.9	53		97	1	89		84		64		78	1	102	
Streptococcal disease (respiratory)	034	640		455		647		696		785		1178		930	
Tuberculosis**	010-019	17	2	17		6	1	18	3	17	1	17	4	17	2
Whooping Cough	033	4				3		9		4		5		3	

*Rate per 100,000 population. Rates based on fewer than 20 cases or deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

** Rabies cases are those reported in animals; rabies deaths, if any, are human deaths.

Note: 1975 and the subsequent years figures cannot be compared to any previous years because of a difference in diagnostic classification reporting requested by the Center for Disease Control (CDC), effective January, 1975. References, Tuberculosis in the U.S. Dept. H.E.W., Center for Disease Control, Atlanta, Ga., August 1976, H.E.W. publ. No. (CDC) 76-8322, P. 31.

Marriage and Divorce



From 1910 to the present, crude marriage rates have been affected largely by war and depression. Before the Great Depression the rates fluctuated around 7 or 8 per 1,000 population, except for the low rate in 1918 when men were overseas during World War I. Depression years brought a decline with a low of less than 5 marriages per 1,000 population being reached in 1932. From 1934 to 1945 rates were similar to the pre-depression levels. With the return of servicemen in 1946 an all time high was reached with the occurrence of more than 12 marriages per 1,000 population. Rates then declined with a few exceptions to 6 marriages per 1,000 population in 1961 and remained the same through 1962. From 1963 through 1973 the rates steadily increased to 8.8, this being the highest level since the end of World War II, then decreased in 1974 to 8.4 and again in 1976 to 7.5. In 1977, a reversal is shown with the result being an increase in the crude marriage rate of 8 marriages per 1,000 population.

Table 44

MARRIAGES BY COUNTY, WISCONSIN, 1977

(Occurrence Data)

County	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
State Total....	37,430	1,694	1,673	1,651	2,899	3,519	4,869	4,029	4,205	3,947	4,101	2,480	2,363
Adams.....	83	3	4	1	6	5	14	4	12	11	11	5	7
Ashland.....	173	9	7	7	10	14	28	16	23	20	19	8	12
Barron.....	367	17	18	13	38	31	42	33	48	46	38	17	26
Bayfield.....	104	1	9	1	10	8	16	4	13	13	16	7	6
Brown.....	1,464	76	72	62	109	142	171	145	169	160	174	108	76
Buffalo.....	95	4	2	3	4	11	16	5	9	12	16	6	7
Burnett.....	101	2	2	2	9	7	16	11	13	11	11	6	11
Calumet.....	177	5	10	5	17	20	21	19	20	18	15	15	12
Chippewa.....	383	19	23	15	36	38	50	44	37	35	41	23	22
Clark.....	252	7	12	11	21	22	32	36	22	30	24	12	23
Columbia.....	379	15	11	17	34	32	56	44	39	40	41	25	25
Crawford.....	117	6	4	6	6	5	25	8	17	15	11	5	9
Dane.....	2,468	121	98	86	191	253	371	276	286	240	246	152	148
Dodge.....	661	31	31	29	51	65	82	72	59	64	80	65	32
Door.....	230	12	13	5	16	27	35	15	19	27	25	18	18
Douglas.....	404	17	15	16	32	35	49	49	57	50	35	23	26
Dunn.....	249	11	7	10	20	24	41	25	27	23	31	10	20
Eau Claire.....	612	32	24	37	48	44	79	70	72	62	65	38	41
Florence.....	28	1	2	1			4	5	6	4	2	1	2
Fond du Lac....	759	39	33	41	41	92	79	99	74	75	85	55	46
Forest.....	95	4	5	5	6	5	15	13	9	11	11	4	7
Grant.....	399	17	14	20	26	58	58	41	45	36	49	17	18
Green.....	223	8	6	11	24	17	28	26	30	24	21	12	16
Green Lake.....	133	9	7	3	10	15	19	10	11	16	17	8	8
Iowa.....	167	12	6	2	11	13	20	31	21	14	17	12	8
Iron.....	53	1	3	2	5	2	4	5	9	8	9	4	1
Jackson.....	170	9	4	7	16	10	19	18	23	19	20	10	15
Jefferson.....	497	31	22	22	44	47	58	61	62	45	51	25	29
Juneau.....	186	10	10	4	11	17	30	18	25	14	18	16	13
Kenosha.....	913	39	48	50	69	85	117	96	87	92	99	66	65
Kewaunee.....	144	2	6	3	9	14	16	14	19	20	21	13	7
La Crosse.....	696	32	33	37	58	69	96	75	75	70	69	41	41
Lafayette.....	160	10	9	8	18	17	25	14	17	16	12	8	6
Langlade.....	180	7	8	4	18	16	25	20	17	21	22	13	9
Lincoln.....	220	8	7	8	11	17	29	30	29	28	20	15	18
Manitowoc.....	689	19	24	35	46	74	76	75	89	89	76	47	39
Marathon.....	894	33	40	39	64	109	111	100	100	106	105	51	36
Marquette.....	344	13	15	13	24	35	40	44	38	43	35	20	24
Marquette.....	89	5	4	4	6	9	11	4	7	15	11	7	6
Menominee.....	23				1	3	4	5	2	1	1		6
Milwaukee.....	7,655	368	380	351	595	729	917	833	812	815	818	554	483
Monroe.....	311	15	13	23	32	33	37	38	34	29	25	17	15
Oconto.....	206	11	6	6	17	20	22	32	21	18	25	16	12
Oneida.....	288	10	12	16	23	21	34	27	36	36	36	18	19
Outagamie.....	1,195	55	54	41	87	106	161	118	144	130	139	96	64
Ozaukee.....	489	14	24	22	41	34	59	52	70	60	52	33	28
Pepin.....	71	2	3	2	2	4	8	9	9	8	11	7	6
Pierce.....	212	9	10	10	17	19	33	19	28	25	22	8	12
Polk.....	221	11	7	10	18	17	48	21	21	23	23	12	10
Portage.....	369	15	9	9	34	30	49	45	44	38	54	18	24
Price.....	133	4	3	4	11	16	26	10	13	14	10	9	13
Racine.....	1,381	73	75	70	107	130	184	137	143	151	142	82	87
Richland.....	144	5	9	5	7	10	26	8	17	18	20	5	14
Rock.....	1,162	52	53	59	87	91	153	122	131	123	119	78	94
Rusk.....	128	9	5	7	12	6	18	12	18	10	11	10	10
St. Croix.....	369	17	15	14	33	26	49	31	46	45	46	26	21
Sauk.....	349	14	10	12	23	31	48	35	46	46	40	18	26
Sawyer.....	86	2	3	2	6	9	10	10	17	11	8	3	5
Shawano.....	300	12	12	18	21	27	40	27	27	27	46	19	24
Sheboygan.....	783	37	33	34	69	70	100	84	83	80	90	63	40
Taylor.....	168	7	9	10	14	17	19	14	18	18	23	10	9
Trempealeau....	204	4	6	10	15	17	24	26	22	27	26	17	10
Vernon.....	184	5	6	9	22	14	22	24	19	21	21	10	11
Vilas.....	117	3	2	8	11	11	13	6	20	13	13	6	11
Walworth.....	583	34	23	27	31	47	75	71	67	50	63	47	48
Washburn.....	138	6	8	3	8	6	23	15	18	16	14	8	13
Washington.....	585	21	26	25	53	52	73	69	63	60	70	31	42
Waukesha.....	1,973	86	95	84	152	188	277	217	243	176	214	111	130
Waupaca.....	398	16	19	15	40	35	54	47	36	40	40	28	28
Waushara.....	137	4	6	10	9	16	18	16	14	10	14	11	9
Winnebago.....	1,068	42	42	62	80	112	137	121	114	101	125	74	58
Wood.....	642	34	27	28	46	68	84	53	74	64	71	47	46

Table 44b

DIVORCES, ANNULMENTS AND LEGAL SEPARATIONS GRANTED, BY COUNTY
Wisconsin, 1977

(Occurrence Data)

County	Divorces	Annulments	Legal Separations	County	Divorces	Annulments	Legal Separations
State Total..	14,551	241	34	Manitowoc.....	198	4	
Adams.....	31			Marathon.....	300	5	2
Ashland.....	36	1	1	Marinette.....	112	4	
Barron.....	96	2		Marquette.....	34		
Bayfield.....	40	1	1	Menominee.....	6		
Brown.....	538	15	3	Milwaukee.....	3,490	55	9
Buffalo.....	19			Monroe.....	88	2	
Burnett.....	31			Oconto.....	71	1	
Calumet.....	47	1		Oneida.....	117	3	1
Chippewa.....	160	3		Outagamie.....	355	7	2
Clark.....	54		1	Ozaukee.....	176	1	
Columbia.....	94	1	1	Pepin.....	17		
Crawford.....	30			Pierce.....	103		1
Dane.....	1,250	16	2	Polk.....	100	1	
Dodge.....	208	3		Portage.....	122	1	
Door.....	55	1		Price.....	31	2	
Douglas.....	161	6		Racine.....	662	12	1
Dunn.....	68	1		Richland.....	46	1	
Eau Claire...	301	8	1	Rock.....	528	10	
Florence.....	13			Rusk.....	41	3	
Fond du Lac..	234	4	2	St. Croix.....	108		1
Forest.....	25			Sauk.....	121		
Grant.....	83			Sawyer.....	36	3	
Green.....	94			Shawano.....	88		
Green Lake...	59	2		Sheboygan.....	256	2	
Iowa.....	43	3		Taylor.....	39		
Iron.....	20			Trempealeau...	65	1	1
Jackson.....	44	1		Vernon.....	46	3	
Jefferson....	187	1		Vilas.....	52		
Juneau.....	58	1	1	Walworth.....	338	6	
Kenosha.....	428	10	1	Washburn.....	44	2	
Kewaunee.....	25			Washington....	174	2	1
La Crosse....	267	4		Waukesha.....	893	7	1
Lafayette....	22			Waupaca.....	97	1	
Langlade.....	45	1		Wausara.....	25	2	
Lincoln.....	61	1		Winnebago.....	442	10	
				Wood.....	203	3	

Table 50

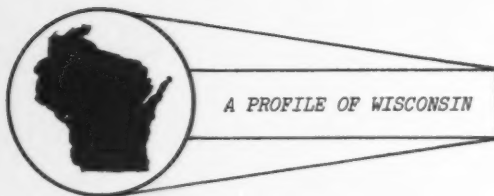
DIVORCES AND ANNULMENTS BY LEGAL GROUND FOR DECREE
Wisconsin, 1977

(Occurrence Data)

<u>Legal Ground for Decree</u>	
Total.....	14,792*
Adultery.....	29
Bigamy.....	57
Conviction of Crime.....	28
Cruelty.....	12,471
Desertion.....	86
Drunkenness.....	6
Fraud.....	68
Insanity.....	15
Nonsupport.....	20
Under Age.....	11
Voluntary Separation.....	1,873
Other.....	106
<u>Cases With 2 or More Grounds</u>	
Adultery and Cruelty.....	8
Conviction of Crime and Cruelty.....	2
Conviction of Crime and Desertion.....	1
Cruelty and Adultery.....	1
Cruelty and Desertion.....	2
Cruelty and Drunkenness.....	2
Cruelty and Nonsupport.....	3
Desertion and Nonsupport.....	2

*One unknown included in total.

S8715-1



Selected Vital Statistics, 1977

Vital Event	Wisconsin	United States*
Population.....	4,651,000	216,383,000
Live Births.....	68,548	3,313,000
Rate per 1,000 population	14.7	15.3
Fetal Deaths.....	478	**
Rate per 1,000 deliveries.....	6.9	**
Infant Deaths.....	774	46,500
Rate per 1,000 live births.....	11.3	14.0
Maternal Deaths.....	7	**
Rate per 100,000 deliveries.....	10.1	**
Total Deaths.....	39,325	1,898,000
Rate per 1,000 population.....	8.5	8.8
Marriages.....	37,430	2,176,000
Rate per 1,000 population.....	8.0	10.1
Divorces and Annulments.....	14,826	1,090,000
Rate per 1,000 population.....	3.2	5.0
Cause-Specific Death Rates		
per 100,000 Population		
Heart Disease.....	337.5	331.6
Cancer.....	174.9	179.1
Cerebrovascular disease.....	87.2	84.5
Accidents.....	40.5	48.5
Influenza and pneumonia.....	22.9	23.1
Arteriosclerosis.....	15.6	13.4
Diabetes mellitus.....	15.1	15.5
Suicide.....	12.7	13.1
Cirrhosis of liver.....	10.2	14.5

*Estimates

**Not available at time of publication.

POPULATION, BIRTHS, DEATHS, MARRIAGES, AND DIVORCES
WISCONSIN COUNTIES, 1977

County	Population	Births	Deaths	Marriages	Divorces
State Total.....	4,651,000	68,548	39,325	37,430	14,792
Adams.....	11,700	127	134	83	31
Ashland.....	17,200	247	228	173	37
Barron.....	37,500	578	383	367	98
Bayfield.....	12,800	182	165	104	41
Brown.....	175,200	2,715	1,129	1,464	553
Buffalo.....	14,700	217	146	95	19
Burnett.....	11,400	151	128	101	31
Calumet.....	28,600	489	210	177	48
Chippewa.....	49,400	797	448	383	163
Clark.....	31,800	547	317	252	54
Columbia.....	42,000	590	423	379	95
Crawford.....	16,900	268	163	117	30
Dane.....	313,000	4,242	1,788	2,468	1,266
Dodge.....	73,100	1,112	679	661	211
Dor.....	24,100	411	272	230	56
Douglas.....	45,400	606	423	404	167
Dunn.....	32,800	460	226	249	69
Eau Claire.....	73,600	1,039	620	612	309
Florence.....	3,800	63	48	28	13
Fond du Lac.....	88,100	1,413	791	759	238
Forest.....	8,100	141	115	95	25
Grant.....	51,100	839	469	399	83
Green.....	29,300	425	309	223	94
Green Lake.....	17,700	218	231	133	61
Iowa.....	19,200	325	201	167	46
Iron.....	6,700	84	101	53	20
Jackson.....	15,100	284	206	170	45
Jefferson.....	64,500	948	574	497	188
Juneau.....	19,600	328	202	186	59
Kenosha.....	124,800	1,767	1,008	913	438
Kewaunee.....	20,200	282	205	144	25
La Crosse.....	86,400	1,195	749	696	271
Lafayette.....	17,700	291	156	160	22
Langlade.....	19,500	305	201	180	46
Lincoln.....	24,800	396	280	220	62

POPULATION, BIRTHS, DEATHS, MARRIAGES, AND DIVORCES
WISCONSIN COUNTIES, 1977

County	Population	Births	Deaths	Marriages	Divorces
Manitowoc.....	83,100	1,195	704	689	202
Marathon.....	106,600	1,752	786	894	305
Marinette.....	39,400	571	450	344	116
Marquette.....	10,900	168	128	89	34
Menominee.....	2,900	83	31	23	6
Milwaukee.....	1,006,600	14,898	9,045	7,655	3,545
Monroe.....	33,800	491	324	311	90
Oconto.....	27,600	410	325	206	72
Oneida.....	29,500	396	312	288	120
Outagamie.....	127,700	2,058	924	1,195	362
Ozaukee.....	68,900	978	391	489	177
Pepin.....	7,700	108	75	71	17
Pierce.....	30,600	452	231	212	103
Polk.....	31,000	434	320	221	101
Portage.....	54,300	831	375	369	123
Price.....	15,600	227	151	133	33
Racine.....	176,800	2,620	1,343	1,381	674
Richland.....	16,400	257	156	144	47
Rock.....	134,100	2,005	1,097	1,162	538
Rusk.....	15,500	239	140	128	44
St. Croix.....	40,100	700	328	369	108
Sauk.....	40,700	606	438	349	121
Sawyer.....	12,700	157	141	86	39
Shawano.....	34,600	478	396	300	88
Sheboygan.....	100,500	1,505	948	783	258
Taylor.....	19,000	321	175	168	39
Trempealeau.....	24,600	357	306	204	66
Vernon.....	24,800	340	325	184	49
Vilas.....	13,900	190	183	117	52
Walworth.....	68,200	991	600	583	344
Washburn.....	13,300	195	157	138	46
Washington.....	80,100	1,318	548	585	176
Waukesha.....	271,000	3,507	1,480	1,973	900
Waupaca.....	41,800	598	483	398	98
Waushara.....	16,300	263	195	137	27
Winnebago.....	133,200	1,650	1,076	1,068	452
Wood.....	69,700	1,117	510	642	206

DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH
BUREAU OF HEALTH STATISTICS

Deaths From Selected Causes by Age Group
Wisconsin, 1977

Cause of Death	Total Number	Age Group of Decedent									75 & Over
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	
Total, All Causes.....	39,325*	774	175	232	867	686	830	2,341	5,389	9,089	18,939
Heart Disease.....	15,676*	18	3	7	11	48	168	732	2,013	3,894	8,779
Cancer.....	8,124	3	19	36	64	95	208	761	1,732	2,361	2,845
Cerebrovascular disease...	4,050**	-	1	2	7	19	42	100	277	784	2,817
Accidents.....	1,882	17	63	123	506	244	134	150	171	174	300
Motor vehicle.....	935	3	24	57	372	166	79	71	58	52	53
Other accidents.....	947	14	39	66	134	78	55	79	113	122	247
Influenza and pneumonia...	1,063	29	8	4	5	9	16	31	81	140	740
Other diseases of circulatory system...	919	-	-	2	4	7	12	45	122	255	472
Arteriosclerosis.....	723	-	-	-	-	-	-	8	23	81	611
Diabetes mellitus.....	703	-	-	-	6	11	24	36	101	194	331
Suicide.....	591	-	-	3	138	110	70	87	88	63	32
Cirrhosis of liver.....	475	1	-	1	-	13	37	101	167	111	44

Wisconsin resident data.

*Three unknown included in total.

**One unknown included in total.